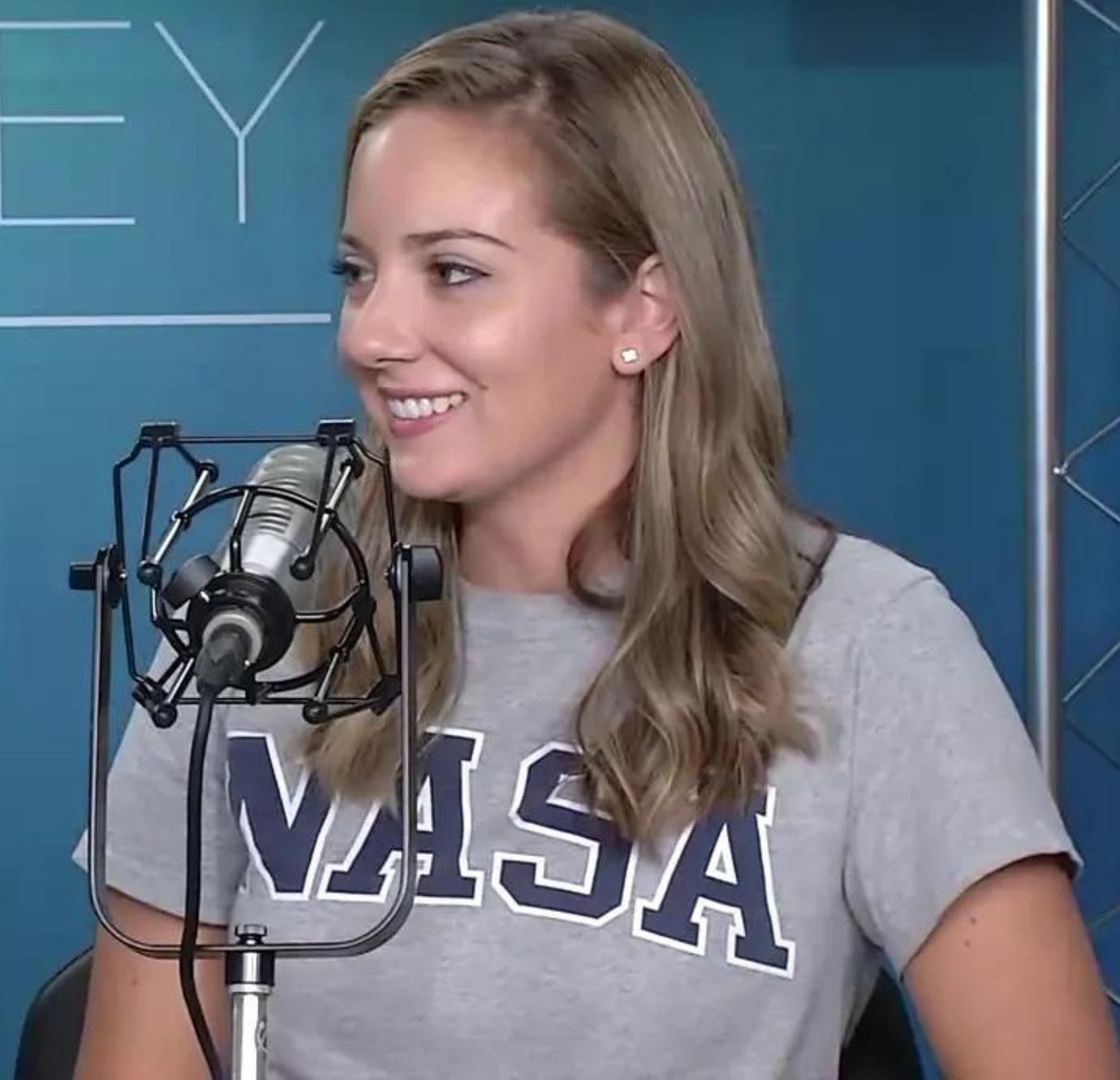


ALLEY

VE

VASA



1  
00:00:38,960 --> 00:00:07,000

[Music]

2  
00:00:40,220 --> 00:00:38,970

hey everybody welcome back to NASA in

3  
00:00:42,560 --> 00:00:40,230

Silicon Valley live

4  
00:00:44,210 --> 00:00:42,570

I'm your host Abbey Taber and if this is

5  
00:00:46,190 --> 00:00:44,220

your first time joining us NASA and

6  
00:00:48,170 --> 00:00:46,200

Silicon Valley live is a conversational

7  
00:00:50,210 --> 00:00:48,180

show out of NASA's Ames Research Center

8  
00:00:52,700 --> 00:00:50,220

where we talk about all the nerdy NASA

9  
00:00:55,220 --> 00:00:52,710

news you need to know so right now we

10  
00:00:58,040 --> 00:00:55,230

are simultaneously live on twitch

11  
00:00:59,930 --> 00:00:58,050

YouTube Facebook and periscope but if

12  
00:01:01,520 --> 00:00:59,940

you want to join in the chat and ask our

13  
00:01:17,980 --> 00:01:01,530

guests questions you need to do that on

14

00:01:17,990 --> 00:01:29,080

[Music]

15

00:01:33,770 --> 00:01:31,670

for the NASA internship program here at

16

00:01:35,749 --> 00:01:33,780

Ames Research Center so I get to help

17

00:01:37,190 --> 00:01:35,759

bring students here to Ames and then

18

00:01:41,990 --> 00:01:37,200

support them throughout their time here

19

00:01:44,210 --> 00:01:42,000

awesome yeah nice job thank you so much

20

00:01:45,590 --> 00:01:44,220

my name's Eva Morrow's I'm also an

21

00:01:46,999 --> 00:01:45,600

intern program coordinator here at NASA

22

00:01:48,290 --> 00:01:47,009

Ames but I'm also the internship

23

00:01:50,719 --> 00:01:48,300

communications coordinator for the

24

00:01:52,400 --> 00:01:50,729

agency so in that role specifically I

25

00:01:54,380 --> 00:01:52,410

get to engage the public to the Internet

26  
00:01:56,809 --> 00:01:54,390  
experience and I do this by highlighting

27  
00:01:59,150 --> 00:01:56,819  
all the fun things that our our interns

28  
00:02:01,279 --> 00:01:59,160  
you know do across our social media

29  
00:02:05,059 --> 00:02:01,289  
platforms oh sweet excellent all across

30  
00:02:06,260 --> 00:02:05,069  
NASA missions very cool nice job also so

31  
00:02:07,969 --> 00:02:06,270  
before we get into talking about

32  
00:02:09,770 --> 00:02:07,979  
internships I want to remind our

33  
00:02:11,750 --> 00:02:09,780  
audience that we're counting down to an

34  
00:02:14,449 --> 00:02:11,760  
important milestone in human space

35  
00:02:16,250 --> 00:02:14,459  
exploration so five years from now we're

36  
00:02:18,680 --> 00:02:16,260  
planning to send the first woman and the

37  
00:02:21,020 --> 00:02:18,690  
next man to the surface of the Moon as

38  
00:02:23,180 --> 00:02:21,030

part of our Artemis program and this

39

00:02:26,000 --> 00:02:23,190

clock you see right here is counting

40

00:02:27,500 --> 00:02:26,010

down the days hours minutes and seconds

41

00:02:29,330 --> 00:02:27,510

until 2024

42

00:02:31,309 --> 00:02:29,340

when our astronauts will return to the

43

00:02:34,550 --> 00:02:31,319

moon so we'll talk more about that later

44

00:02:37,040 --> 00:02:34,560

in the show and get on to our main topic

45

00:02:39,080 --> 00:02:37,050

today so every show that we do we're

46

00:02:41,630 --> 00:02:39,090

always asked the same question how can I

47

00:02:44,569 --> 00:02:41,640

work at NASA so one of the ways to get

48

00:02:46,539 --> 00:02:44,579

started is to become an intern so that's

49

00:02:48,450 --> 00:02:46,549

our first question for you guys today

50

00:02:50,430 --> 00:02:48,460

everybody wants to know how do

51  
00:02:51,900 --> 00:02:50,440  
I get an internship at NASA right so

52  
00:02:54,540 --> 00:02:51,910  
it's probably the most common question

53  
00:02:57,450 --> 00:02:54,550  
that we get and the first thing we just

54  
00:03:00,140 --> 00:02:57,460  
recommend students to do is to apply you

55  
00:03:04,110 --> 00:03:00,150  
know just apply yeah it's just

56  
00:03:06,660 --> 00:03:04,120  
yes so internships from NASA are all

57  
00:03:09,660 --> 00:03:06,670  
posted on one specific application

58  
00:03:11,250 --> 00:03:09,670  
system and that's intern nasa.gov okay

59  
00:03:13,380 --> 00:03:11,260  
so what's you know great about that

60  
00:03:14,940 --> 00:03:13,390  
application system is that internship

61  
00:03:18,630 --> 00:03:14,950  
opportunities are available year-round

62  
00:03:21,800 --> 00:03:18,640  
so we have three sessions which are fall

63  
00:03:24,990 --> 00:03:21,810

spring and summer so you know again

64

00:03:27,180 --> 00:03:25,000

through internet NASA gov students have

65

00:03:30,030 --> 00:03:27,190

the ability to apply to up to 15

66

00:03:32,460 --> 00:03:30,040

opportunity projects and these projects

67

00:03:33,660 --> 00:03:32,470

are available for all students so in

68

00:03:35,160 --> 00:03:33,670

high school if you're a high school

69

00:03:36,870 --> 00:03:35,170

student if you're undergraduate student

70

00:03:39,660 --> 00:03:36,880

and a graduate student you can apply

71

00:03:41,280 --> 00:03:39,670

through internet gov okay all sorts of

72

00:03:44,340 --> 00:03:41,290

opportunities people at different levels

73

00:03:45,840 --> 00:03:44,350

right very cool what what does it look

74

00:03:48,060 --> 00:03:45,850

like you're talking about searching for

75

00:03:49,560 --> 00:03:48,070

projects on the on the site what kinds

76  
00:03:51,870 --> 00:03:49,570  
of projects do we mean and what does

77  
00:03:54,780 --> 00:03:51,880  
that look like yeah so like Abel said

78  
00:03:56,640 --> 00:03:54,790  
the whole agency uses this one portal so

79  
00:03:58,770 --> 00:03:56,650  
each of the center's not just aims use

80  
00:04:01,260 --> 00:03:58,780  
the site to post their projects for

81  
00:04:03,120 --> 00:04:01,270  
interns and the way it works you upload

82  
00:04:05,550 --> 00:04:03,130  
one application so you're filling out

83  
00:04:07,380 --> 00:04:05,560  
you know your your school your major

84  
00:04:09,480 --> 00:04:07,390  
your work experience things like that

85  
00:04:11,490 --> 00:04:09,490  
all in one place and once that gets

86  
00:04:13,140 --> 00:04:11,500  
complete and submitted and you can

87  
00:04:15,720 --> 00:04:13,150  
search the portal for different projects

88  
00:04:17,010 --> 00:04:15,730

and so you can search you know you

89

00:04:19,590 --> 00:04:17,020

search by major you can search by

90

00:04:21,630 --> 00:04:19,600

keywords interests and you can apply it

91

00:04:24,830 --> 00:04:21,640

up to 15 of those projects is it like

92

00:04:27,200 --> 00:04:24,840

searching through job postings new jobs

93

00:04:29,520 --> 00:04:27,210

there's their description of the project

94

00:04:31,800 --> 00:04:29,530

it'll tell you what Center is located at

95

00:04:33,450 --> 00:04:31,810

and any skills certain skills that

96

00:04:35,040 --> 00:04:33,460

they're looking for okay why don't you

97

00:04:36,990 --> 00:04:35,050

tell us a little bit about the different

98

00:04:38,100 --> 00:04:37,000

NASA centers cover all of them in the

99

00:04:39,960 --> 00:04:38,110

portal right that's right that's right

100

00:04:42,120 --> 00:04:39,970

so there's ten NASA centers as well as a

101  
00:04:44,310 --> 00:04:42,130  
few field sites and all of them offer

102  
00:04:48,120 --> 00:04:44,320  
internships and they're all located at

103  
00:04:50,400 --> 00:04:48,130  
that internet nasa.gov and so yeah we're

104  
00:04:51,210 --> 00:04:50,410  
obviously here in Silicon Valley

105  
00:04:53,190 --> 00:04:51,220  
California

106  
00:04:55,410 --> 00:04:53,200  
but there's NASA centers down in

107  
00:04:57,750 --> 00:04:55,420  
Southern California Armstrong Flight

108  
00:05:00,490 --> 00:04:57,760  
Research Center there's obviously

109  
00:05:02,200 --> 00:05:00,500  
Johnson Space Center in Houston Texas

110  
00:05:05,230 --> 00:05:02,210  
we have Kennedy Space Center in Florida

111  
00:05:07,750 --> 00:05:05,240  
so all sorts of different places some

112  
00:05:10,060 --> 00:05:07,760  
interns they choose to apply to centers

113  
00:05:12,580 --> 00:05:10,070

close to home so whatever's nearest to

114

00:05:14,860 --> 00:05:12,590

them but also each Center has kind of

115

00:05:17,260 --> 00:05:14,870

their own area of expertise so if you

116

00:05:18,880 --> 00:05:17,270

research the center's and kind of find

117

00:05:20,680 --> 00:05:18,890

what lines best with your interest you

118

00:05:21,370 --> 00:05:20,690

can kind of tailor your applications to

119

00:05:22,450 --> 00:05:21,380

that oh yeah

120

00:05:24,190 --> 00:05:22,460

yeah make sense if you want to do

121

00:05:26,080 --> 00:05:24,200

biology if you want to do aerospace

122

00:05:29,050 --> 00:05:26,090

engineering you can have a good Center

123

00:05:31,390 --> 00:05:29,060

for that or sure outstanding all right

124

00:05:32,800 --> 00:05:31,400

so what are some of the specific

125

00:05:36,070 --> 00:05:32,810

requirements that people are going to

126  
00:05:37,870 --> 00:05:36,080  
face when they want to apply right so we

127  
00:05:39,310 --> 00:05:37,880  
have four eligibility requirements the

128  
00:05:41,560 --> 00:05:39,320  
first one is that you have to be a US

129  
00:05:43,560 --> 00:05:41,570  
citizen and then the next one is that

130  
00:05:46,240 --> 00:05:43,570  
you at least have to be 16 years of age

131  
00:05:49,090 --> 00:05:46,250  
the third is that you have to be

132  
00:05:51,280 --> 00:05:49,100  
enrolled in a degree granting program or

133  
00:05:53,830 --> 00:05:51,290  
institution and the last one is that you

134  
00:05:56,080 --> 00:05:53,840  
always have to have a 3.0 GPA on a 4.0

135  
00:05:57,430 --> 00:05:56,090  
scale all right okay people can probably

136  
00:05:58,480 --> 00:05:57,440  
find that stuff on the portal as well

137  
00:06:00,190 --> 00:05:58,490  
yes

138  
00:06:02,350 --> 00:06:00,200

okay we'll talk more about those as well

139

00:06:04,990 --> 00:06:02,360

so another question we always get on the

140

00:06:06,990 --> 00:06:05,000

show is what should I study if I want to

141

00:06:09,340 --> 00:06:07,000

work at NASA do I have to do

142

00:06:10,960 --> 00:06:09,350

aeronautical engineering right you need

143

00:06:13,060 --> 00:06:10,970

to be this kind of person

144

00:06:15,790 --> 00:06:13,070

yeah other specific majors you recommend

145

00:06:17,409 --> 00:06:15,800

so we are NASA we're pretty stem focused

146

00:06:19,480 --> 00:06:17,419

it's a lot of science technology

147

00:06:21,580 --> 00:06:19,490

engineering and math those are probably

148

00:06:24,310 --> 00:06:21,590

the majority of our internships but we

149

00:06:26,530 --> 00:06:24,320

also do have non-stem opportunities we

150

00:06:28,480 --> 00:06:26,540

have interns in the business office we

151  
00:06:31,360 --> 00:06:28,490  
have interns in the legal office the

152  
00:06:33,730 --> 00:06:31,370  
education office communications office

153  
00:06:35,350 --> 00:06:33,740  
so but NASA really does need everyone

154  
00:06:36,490 --> 00:06:35,360  
and you know they need all kinds of

155  
00:06:38,230 --> 00:06:36,500  
interns and all kinds of perspectives

156  
00:06:39,760 --> 00:06:38,240  
all right there's a little something for

157  
00:06:41,230 --> 00:06:39,770  
everyone I think that's great I think

158  
00:06:42,880 --> 00:06:41,240  
it's always a surprise to people that

159  
00:06:44,760 --> 00:06:42,890  
like oh if I'm in Tucson being a lawyer

160  
00:06:47,200 --> 00:06:44,770  
actually maybe I could work for NASA

161  
00:06:49,930 --> 00:06:47,210  
exactly and you can be people like us

162  
00:06:52,000 --> 00:06:49,940  
right not actually scientists that we

163  
00:06:54,280 --> 00:06:52,010

get to contribute to the missions yeah

164

00:06:55,600 --> 00:06:54,290

you know just going off of that we

165

00:06:57,310 --> 00:06:55,610

always tell students that you don't know

166

00:06:58,960 --> 00:06:57,320

what projects are available so I think

167

00:07:01,150 --> 00:06:58,970

part of that is for them to kind of

168

00:07:03,159 --> 00:07:01,160

check out Internet nasa.gov and see

169

00:07:04,390 --> 00:07:03,169

what's out there so what I really

170

00:07:05,920 --> 00:07:04,400

mentioned earlier each Center is

171

00:07:08,440 --> 00:07:05,930

different and the needs are different at

172

00:07:09,730 --> 00:07:08,450

each Center so just we just encourage

173

00:07:10,210 --> 00:07:09,740

everyone to do their research and see

174

00:07:12,400 --> 00:07:10,220

what's out there

175

00:07:13,320 --> 00:07:12,410

yeah that sounds exciting go explore dig

176

00:07:16,810 --> 00:07:13,330

in there and see what

177

00:07:18,730 --> 00:07:16,820

yeah so when and how exactly should

178

00:07:21,190 --> 00:07:18,740

people go about preparing their

179

00:07:23,860 --> 00:07:21,200

application and submitting right great

180

00:07:25,750 --> 00:07:23,870

question so as I mentioned earlier the

181

00:07:28,720 --> 00:07:25,760

application system is in turn nasa.gov

182

00:07:30,640 --> 00:07:28,730

yeah so it's always important to know

183

00:07:33,040 --> 00:07:30,650

the deadlines as I mentioned you know we

184

00:07:33,820 --> 00:07:33,050

have three sessions that we accept

185

00:07:37,000 --> 00:07:33,830

insurance

186

00:07:39,460 --> 00:07:37,010

so that's fall spring and summer and

187

00:07:41,680 --> 00:07:39,470

it's always great to apply early and

188

00:07:43,120 --> 00:07:41,690

plan ahead so for you know the

189

00:07:44,740 --> 00:07:43,130

application deadlines you can visit

190

00:07:47,110 --> 00:07:44,750

interns on nasa.gov to see what's ahead

191

00:07:50,260 --> 00:07:47,120

now would be a great time to start

192

00:07:53,110 --> 00:07:50,270

applying for Spring 2020 oh really

193

00:07:54,610 --> 00:07:53,120

right so it's pretty far in advance

194

00:07:56,410 --> 00:07:54,620

right it's gonna ask you how far

195

00:07:57,820 --> 00:07:56,420

advances early right

196

00:08:01,870 --> 00:07:57,830

anywhere from at least one to three

197

00:08:03,850 --> 00:08:01,880

months ahead so things to expect you can

198

00:08:06,880 --> 00:08:03,860

at least expect to have one letter

199

00:08:08,440 --> 00:08:06,890

recommendation so one thing we always

200

00:08:09,970 --> 00:08:08,450

recommend to students is that you know

201  
00:08:11,710 --> 00:08:09,980  
try to select someone that can speak

202  
00:08:15,070 --> 00:08:11,720  
highly of you you know whether that be

203  
00:08:17,590 --> 00:08:15,080  
your work experience college advisor or

204  
00:08:19,270 --> 00:08:17,600  
a college professor again you know we

205  
00:08:22,120 --> 00:08:19,280  
want them to highlight you know your

206  
00:08:23,740 --> 00:08:22,130  
strengths you can definitely have more

207  
00:08:26,110 --> 00:08:23,750  
than one that of our community but if

208  
00:08:27,790 --> 00:08:26,120  
you're if in order for your profile to

209  
00:08:29,080 --> 00:08:27,800  
be complete you at least need one okay

210  
00:08:30,700 --> 00:08:29,090  
make sense

211  
00:08:32,920 --> 00:08:30,710  
the second thing is that you can expect

212  
00:08:35,440 --> 00:08:32,930  
to provide a transcript so again we need

213  
00:08:38,770 --> 00:08:35,450

to verify that you have a 3.0 you know

214

00:08:40,570 --> 00:08:38,780

based on the 4.0 scale yeah and then the

215

00:08:43,209 --> 00:08:40,580

application system itself also asks for

216

00:08:45,310 --> 00:08:43,219

a personal statement so B expect to you

217

00:08:48,130 --> 00:08:45,320

know answer why you and why do you want

218

00:08:49,660 --> 00:08:48,140

to intern at NASA yeah yeah so all these

219

00:08:51,070 --> 00:08:49,670

are good reasons to start early right I

220

00:08:53,380 --> 00:08:51,080

know it takes time to order that

221

00:08:55,000 --> 00:08:53,390

transcript and give your professor more

222

00:08:55,960 --> 00:08:55,010

than a few days to write your letter

223

00:08:58,030 --> 00:08:55,970

right right right

224

00:08:59,440 --> 00:08:58,040

yeah and it's something we recommend a

225

00:09:01,720 --> 00:08:59,450

lot is you know get started on the

226

00:09:02,950 --> 00:09:01,730

application part well in advance you

227

00:09:04,690 --> 00:09:02,960

know months in advance but then keep

228

00:09:06,970 --> 00:09:04,700

checking back because sometimes new

229

00:09:08,350 --> 00:09:06,980

projects are uploaded all the time so

230

00:09:10,660 --> 00:09:08,360

keep checking back to see you know

231

00:09:13,450 --> 00:09:10,670

what's there okay so it's a rolling

232

00:09:15,579 --> 00:09:13,460

system kind of how the projects are

233

00:09:17,740 --> 00:09:15,589

posted it is yeah all right you know the

234

00:09:20,110 --> 00:09:17,750

last thing I also just want to add is

235

00:09:22,240 --> 00:09:20,120

that a resume is optional but it's

236

00:09:24,699 --> 00:09:22,250

highly encouraged so again you know a

237

00:09:26,240 --> 00:09:24,709

resume is just a quick snapshot of who

238

00:09:28,400 --> 00:09:26,250

you are right so

239

00:09:30,410 --> 00:09:28,410

is a great time for you to highlight

240

00:09:32,300 --> 00:09:30,420

what stem or NASA experience you may

241

00:09:33,530 --> 00:09:32,310

have and again you know there's

242

00:09:35,870 --> 00:09:33,540

different people who are looking at your

243

00:09:37,670 --> 00:09:35,880

application and also the mentors so

244

00:09:39,320 --> 00:09:37,680

again it's a great opportunity for you

245

00:09:42,040 --> 00:09:39,330

to mention what experience you have okay

246

00:09:45,380 --> 00:09:42,050

right and have some bullets of interest

247

00:09:47,600 --> 00:09:45,390

all right okay so that's like the nitty

248

00:09:50,750 --> 00:09:47,610

gritty the nuts and bolts of applying

249

00:09:51,890 --> 00:09:50,760

let's talk about why people should you

250

00:09:54,230 --> 00:09:51,900

know what's so great about being an

251

00:09:58,130 --> 00:09:54,240

intern at NASA yeah well for starters

252

00:10:01,160 --> 00:09:58,140

you're at NASA starts right at your time

253

00:10:02,960 --> 00:10:01,170

here yeah you get to me the most amazing

254

00:10:04,970 --> 00:10:02,970

people you get to see the most amazing

255

00:10:06,770 --> 00:10:04,980

things you get to really just like geek

256

00:10:09,650 --> 00:10:06,780

out for 10 weeks or however long you're

257

00:10:12,890 --> 00:10:09,660

here so it's yeah incredible experience

258

00:10:13,940 --> 00:10:12,900

first of all NASA aside but the thing

259

00:10:16,910 --> 00:10:13,950

that's unique about our internship

260

00:10:19,430 --> 00:10:16,920

program is that interns they're working

261

00:10:21,620 --> 00:10:19,440

hands-on on projects actual NASA

262

00:10:24,080 --> 00:10:21,630

projects so you're paired with a mentor

263

00:10:25,610 --> 00:10:24,090

who's usually you know a project lead or

264

00:10:27,950 --> 00:10:25,620

some sort of expert in their field and

265

00:10:30,740 --> 00:10:27,960

they're and you're working on their

266

00:10:32,270 --> 00:10:30,750

project you're an integral part of it so

267

00:10:33,680 --> 00:10:32,280

you get to do something you know that's

268

00:10:35,780 --> 00:10:33,690

actually a part of a NASA mission

269

00:10:37,640 --> 00:10:35,790

yes really yeah yeah yeah so not just

270

00:10:39,470 --> 00:10:37,650

watching your not standby watching them

271

00:10:41,150 --> 00:10:39,480

work it's getting coffee and you know

272

00:10:43,820 --> 00:10:41,160

checking emails like you're actually

273

00:10:45,860 --> 00:10:43,830

doing research which is awesome and so

274

00:10:48,770 --> 00:10:45,870

it's exciting especially right now with

275

00:10:50,900 --> 00:10:48,780

the Artemis program we have students who

276

00:10:52,100 --> 00:10:50,910

their work is you know directly related

277

00:10:54,230 --> 00:10:52,110

to the Artemis program so they're

278

00:10:56,329 --> 00:10:54,240

helping to put the first woman and in

279

00:10:58,370 --> 00:10:56,339

the next man on the moon by 2024 and

280

00:11:00,140 --> 00:10:58,380

right onto Mars so yeah it's really

281

00:11:04,490 --> 00:11:00,150

boiling time to be an intern and they're

282

00:11:05,900 --> 00:11:04,500

also enduring the yes yes week which a

283

00:11:06,770 --> 00:11:05,910

lot of our interns got to celebrate it

284

00:11:08,200 --> 00:11:06,780

was perfect timing

285

00:11:11,630 --> 00:11:08,210

it's like the interns this summer

286

00:11:13,400 --> 00:11:11,640

excellent so I know that the work

287

00:11:15,740 --> 00:11:13,410

they're doing here could potentially

288

00:11:17,990 --> 00:11:15,750

lead to their future careers right and

289

00:11:20,270 --> 00:11:18,000

actually Haley that's what happened for

290

00:11:23,690 --> 00:11:20,280

you it's about your story of interning

291

00:11:27,170 --> 00:11:23,700

so a few years ago I was actually an

292

00:11:29,300 --> 00:11:27,180

asset intern myself I was in grad school

293

00:11:29,960 --> 00:11:29,310

studying education planning to be a

294

00:11:47,710 --> 00:11:29,970

teacher

295

00:11:52,690 --> 00:11:49,930

the environments so exciting the people

296

00:11:55,300 --> 00:11:52,700

everyone's so enthusiastic about NASA

297

00:11:57,010 --> 00:11:55,310

work and so I just I fell in love with

298

00:11:59,890 --> 00:11:57,020

it and you know I finished up my

299

00:12:02,200 --> 00:11:59,900

master's program and my mentor at

300

00:12:04,480 --> 00:12:02,210

Marshall helped me to find and find

301  
00:12:07,150 --> 00:12:04,490  
full-time positions to apply to and yeah

302  
00:12:09,130 --> 00:12:07,160  
I ended up here that's still loving it

303  
00:12:11,230 --> 00:12:09,140  
yeah I remember you told me the other

304  
00:12:12,670 --> 00:12:11,240  
day everybody was working on the Space

305  
00:12:13,930 --> 00:12:12,680  
Launch System you have a new rocket

306  
00:12:16,570 --> 00:12:13,940  
that's coming and really felt that

307  
00:12:18,160 --> 00:12:16,580  
exciting yeah so I totally understand

308  
00:12:19,930 --> 00:12:18,170  
the excitement for Artemis that our

309  
00:12:22,030 --> 00:12:19,940  
interns are feeling now because I was at

310  
00:12:23,770 --> 00:12:22,040  
Marshall I obviously wasn't working on

311  
00:12:25,750 --> 00:12:23,780  
the rocket or doing anything related but

312  
00:12:27,490 --> 00:12:25,760  
I just I felt a part of it and it was

313  
00:12:30,400 --> 00:12:27,500

really exciting and it made me wanna say

314

00:12:32,740 --> 00:12:30,410

so so agree you know you just want to

315

00:12:34,930 --> 00:12:32,750

add that these type of success stories

316

00:12:37,270 --> 00:12:34,940

are relatively common here at NASA

317

00:12:38,650 --> 00:12:37,280

it's amazing and in my position as I

318

00:12:41,950 --> 00:12:38,660

mentioned I get to highlight a lot of

319

00:12:43,870 --> 00:12:41,960

these great intern highlights and just

320

00:12:45,550 --> 00:12:43,880

on top of my head I know here at NASA

321

00:12:48,190 --> 00:12:45,560

Ames Research Center our Center Director

322

00:12:51,370 --> 00:12:48,200

Eugene too was a former intern that's

323

00:12:55,150 --> 00:12:53,020

and I know we've also highlighted on

324

00:12:56,680 --> 00:12:55,160

social media platforms that Marshall

325

00:13:03,940 --> 00:12:56,690

Space Flight Center

326

00:13:07,090 --> 00:13:03,950

Jody singer was a sole former intern and

327

00:13:09,250 --> 00:13:07,100

then lastly our associate that Minister

328

00:13:11,590 --> 00:13:09,260

for Simon engagement Mike and Kate was

329

00:13:13,390 --> 00:13:11,600

also former intern as well so again you

330

00:13:15,730 --> 00:13:13,400

know great the possibilities are endless

331

00:13:16,540 --> 00:13:15,740

right right this could be where it all

332

00:13:19,990 --> 00:13:16,550

begins

333

00:13:22,210 --> 00:13:20,000

oh it's standing well that is enough

334

00:13:23,740 --> 00:13:22,220

talk about the interns how about we meet

335

00:13:26,170 --> 00:13:23,750

one I know you guys brought some guests

336

00:13:28,900 --> 00:13:26,180

with you so let's go ahead and meet our

337

00:13:32,460 --> 00:13:28,910

first real live NASA intern come on out

338

00:13:42,070 --> 00:13:40,690

hey Jordan welcome how are you thank you

339

00:13:42,940 --> 00:13:42,080

for having me I'm doing great how are

340

00:13:44,500 --> 00:13:42,950

you guys

341

00:13:45,850 --> 00:13:44,510

well we're great we're excited to talk

342

00:13:47,290 --> 00:13:45,860

to you about what you're doing here this

343

00:13:48,820 --> 00:13:47,300

summer at NASA why don't you tell

344

00:13:50,650 --> 00:13:48,830

everybody your name and where you go to

345

00:13:52,960 --> 00:13:50,660

school what are you studying so my name

346

00:13:54,579 --> 00:13:52,970

is Jordan Carlin I am a biology

347

00:13:57,310 --> 00:13:54,589

chemistry double major with an emphasis

348

00:14:01,870 --> 00:13:57,320

in pre-med and a minor in psychology at

349

00:14:06,579 --> 00:14:03,420

[Applause]

350

00:14:09,010 --> 00:14:06,589

standing so what are you working on here

351  
00:14:11,860 --> 00:14:09,020  
at NASA this summer so I am lucky enough

352  
00:14:14,230 --> 00:14:11,870  
to be working on this really cool

353  
00:14:16,990 --> 00:14:14,240  
project on the astrobiology and life

354  
00:14:19,329 --> 00:14:17,000  
support branch here at NASA Ames working

355  
00:14:22,150 --> 00:14:19,339  
with the water group so the big issue

356  
00:14:25,210 --> 00:14:22,160  
for us is water is obviously very

357  
00:14:27,910 --> 00:14:25,220  
important in space and we used a lot for

358  
00:14:29,829 --> 00:14:27,920  
our technology for life support and so

359  
00:14:31,510 --> 00:14:29,839  
we're doing research on using

360  
00:14:33,700 --> 00:14:31,520  
nanoparticles to try to sterilize that

361  
00:14:36,340 --> 00:14:33,710  
water so then we don't run into any type

362  
00:14:38,530 --> 00:14:36,350  
of mutations that could damage the

363  
00:14:40,480 --> 00:14:38,540

aircraft damage you know the any of our

364

00:14:42,280 --> 00:14:40,490

life support systems okay so that's what

365

00:14:44,290 --> 00:14:42,290

I've been doing all summer so water is

366

00:14:46,120 --> 00:14:44,300

critical right yes when you say life

367

00:14:48,760 --> 00:14:46,130

support that can be just drinking water

368

00:14:51,220 --> 00:14:48,770

right but then also we can make rocket

369

00:14:52,810 --> 00:14:51,230

fuel I gather from water so it's an

370

00:14:55,060 --> 00:14:52,820

important resource we're constantly

371

00:14:56,949 --> 00:14:55,070

recycling it and reusing it so we want

372

00:14:59,380 --> 00:14:56,959

to make sure it's clean nothing goes

373

00:15:01,240 --> 00:14:59,390

wrong and so that's where my job plays

374

00:15:03,130 --> 00:15:01,250

in all right excellent

375

00:15:05,440 --> 00:15:03,140

important stuff yes very important

376

00:15:07,360 --> 00:15:05,450

really cool yeah and you're really do

377

00:15:08,769 --> 00:15:07,370

you feel like you're part of the mission

378

00:15:10,420 --> 00:15:08,779

because you're working you're

379

00:15:13,420 --> 00:15:10,430

contributing towards the Artemis program

380

00:15:15,640 --> 00:15:13,430

do you feel that yes it's so insane and

381

00:15:17,710 --> 00:15:15,650

I was talking about it yesterday I mean

382

00:15:19,840 --> 00:15:17,720

my grandparents remember like the moon

383

00:15:22,390 --> 00:15:19,850

landing and the fact that my generation

384

00:15:24,670 --> 00:15:22,400

gets to be a part of something so

385

00:15:27,400 --> 00:15:24,680

amazing and this big milestone of the

386

00:15:29,370 --> 00:15:27,410

Artemis program is incredible and with

387

00:15:33,210 --> 00:15:29,380

this internship you really feel like

388

00:15:36,820 --> 00:15:33,220

you're doing work that has purpose where

389

00:15:39,010 --> 00:15:36,830

you're actually hands-on and we're doing

390

00:15:41,199 --> 00:15:39,020

real research and we're not just getting

391

00:15:43,930 --> 00:15:41,209

coffee you're filling out paperwork and

392

00:15:45,129 --> 00:15:43,940

it's very special I know everyone here

393

00:15:47,470 --> 00:15:45,139

all the interns have

394

00:15:50,019 --> 00:15:47,480

and freaking out and just loving it that

395

00:15:52,150 --> 00:15:50,029

we feel like even if it's a tiny role we

396

00:15:55,569 --> 00:15:52,160

get to have some sort of role for the

397

00:15:57,340 --> 00:15:55,579

future yeah in space I think everybody

398

00:15:58,660 --> 00:15:57,350

at NASA feels that so I'm really glad

399

00:16:00,759 --> 00:15:58,670

you're getting that this summer even

400

00:16:03,819 --> 00:16:00,769

yeah and I almost forgot that we had a

401  
00:16:06,069 --> 00:16:03,829  
little animation to show of the kinds of

402  
00:16:08,049 --> 00:16:06,079  
things your work could support of humans

403  
00:16:09,999 --> 00:16:08,059  
working on Mars so if we have that

404  
00:16:12,039 --> 00:16:10,009  
available we could run that while we

405  
00:16:14,439 --> 00:16:12,049  
talk a little bit more about your work

406  
00:16:17,949 --> 00:16:14,449  
can you describe a little bit about your

407  
00:16:19,960 --> 00:16:17,959  
water purification or or how you feel

408  
00:16:23,019 --> 00:16:19,970  
you're contributing yeah it's really

409  
00:16:25,629 --> 00:16:23,029  
crazy water is used in so much in space

410  
00:16:27,549 --> 00:16:25,639  
with you know the Artemis mission from

411  
00:16:30,639 --> 00:16:27,559  
moon to Mars working with life support

412  
00:16:32,139 --> 00:16:30,649  
working with just the technologies that

413  
00:16:35,139 --> 00:16:32,149

they run you know you need to filter

414

00:16:37,419 --> 00:16:35,149

water through that so it's my job is

415

00:16:39,789 --> 00:16:37,429

using nanoparticles and different type

416

00:16:42,549 --> 00:16:39,799

of like chemical reactions to try to

417

00:16:43,960 --> 00:16:42,559

find ways to avoid any mutation so that

418

00:16:45,309 --> 00:16:43,970

we can make sure everything's safe and

419

00:16:48,099 --> 00:16:45,319

running so that's like if there's

420

00:16:50,799 --> 00:16:48,109

bacteria if there's any bacteria or

421

00:16:52,869 --> 00:16:50,809

anything like that it's really a special

422

00:16:54,999 --> 00:16:52,879

thing to be a part of and like I said

423

00:16:57,879 --> 00:16:55,009

you feel like you're doing like real

424

00:17:00,039 --> 00:16:57,889

work and that's so exciting and the

425

00:17:03,100 --> 00:17:00,049

energy here is just so high being able

426  
00:17:06,850 --> 00:17:03,110  
to you know work it NASA and be able to

427  
00:17:09,850 --> 00:17:06,860  
have work that matters very very special

428  
00:17:11,949 --> 00:17:09,860  
I can imagine are you at all surprised

429  
00:17:14,919 --> 00:17:11,959  
to hear this or is this typical of

430  
00:17:17,379 --> 00:17:14,929  
interns reactions intern experience yeah

431  
00:17:19,899 --> 00:17:17,389  
this is really typical when we meet with

432  
00:17:21,429 --> 00:17:19,909  
our interns you know they they tell the

433  
00:17:22,899 --> 00:17:21,439  
stories about their friends who are

434  
00:17:24,639 --> 00:17:22,909  
maybe working somewhere else and they're

435  
00:17:25,929 --> 00:17:24,649  
like you know they just they don't have

436  
00:17:28,269 --> 00:17:25,939  
an experience like this they don't get

437  
00:17:30,639 --> 00:17:28,279  
to do something that's real that you

438  
00:17:32,769 --> 00:17:30,649

know will be used at NASA for years and

439

00:17:34,659 --> 00:17:32,779

years and years so yeah you're a part of

440

00:17:38,080 --> 00:17:34,669

something that that continues even after

441

00:17:40,029 --> 00:17:38,090

you finish your internship which so yeah

442

00:17:41,500 --> 00:17:40,039

someday you know you'll get to say those

443

00:17:44,769 --> 00:17:41,510

astronauts they're using something that

444

00:17:46,180 --> 00:17:44,779

I worked on it's basically I'm really

445

00:17:50,030 --> 00:17:46,190

helping out I'm doing making a big

446

00:17:52,250 --> 00:17:50,040

difference it was all you know

447

00:17:53,900 --> 00:17:52,260

yeah it's always empowering hearing

448

00:17:55,400 --> 00:17:53,910

stories like this oh yeah this is what

449

00:17:57,440 --> 00:17:55,410

you make possible definitely awesome

450

00:17:59,210 --> 00:17:57,450

what was your reaction when you found

451  
00:18:01,670 --> 00:17:59,220  
out you were gonna get an internship in

452  
00:18:05,000 --> 00:18:01,680  
this is it was the day after my birthday

453  
00:18:07,520 --> 00:18:05,010  
finally enough and I was with my best

454  
00:18:09,850 --> 00:18:07,530  
friend in the car and I get this email

455  
00:18:12,950 --> 00:18:09,860  
from Haley saying like congratulations

456  
00:18:15,410 --> 00:18:12,960  
we selected you and I was like a wreck

457  
00:18:18,200 --> 00:18:15,420  
like crying my eyes I was like who

458  
00:18:20,570 --> 00:18:18,210  
doesn't dream of working at NASA like

459  
00:18:23,630 --> 00:18:20,580  
it's so incredible and I remember I was

460  
00:18:26,180 --> 00:18:23,640  
like on the phone with all my family my

461  
00:18:28,820 --> 00:18:26,190  
mom my dad like freaking out I was

462  
00:18:31,460 --> 00:18:28,830  
texting everyone I was like a complete

463  
00:18:33,410 --> 00:18:31,470

wreck and I that excitement has not died

464

00:18:34,940 --> 00:18:33,420

down even from being here like every day

465

00:18:37,400 --> 00:18:34,950

I wake up and I'm like oh my goodness

466

00:18:43,460 --> 00:18:37,410

like I'm at NASA like it's so cool who

467

00:18:44,690 --> 00:18:43,470

wouldn't want to say that so cool what

468

00:18:51,770 --> 00:18:44,700

was your first impression then when you

469

00:18:55,340 --> 00:18:51,780

got here were you intimidated I was

470

00:18:57,920 --> 00:18:55,350

driving and I saw the big like hanger

471

00:19:00,110 --> 00:18:57,930

and I just freaked out my mom was Smith

472

00:19:02,060 --> 00:19:00,120

was with me and I was like oh my gosh

473

00:19:04,490 --> 00:19:02,070

mom like this is real like this is NASA

474

00:19:06,950 --> 00:19:04,500

was just flipping out and I was texting

475

00:19:09,650 --> 00:19:06,960

my roommate here and she cried too so I

476

00:19:12,320 --> 00:19:09,660

felt a lot better and then it was very

477

00:19:14,600 --> 00:19:12,330

overwhelming when we had orientation and

478

00:19:17,810 --> 00:19:14,610

we got to meet our mentors and just

479

00:19:20,150 --> 00:19:17,820

everyone here is so excited and

480

00:19:22,040 --> 00:19:20,160

passionate and they're so nice I thought

481

00:19:23,570 --> 00:19:22,050

you know I'm an intern they're not gonna

482

00:19:26,480 --> 00:19:23,580

take me seriously they're gonna brush me

483

00:19:29,180 --> 00:19:26,490

aside but everyone was very like open

484

00:19:31,790 --> 00:19:29,190

arms very excited about like what we can

485

00:19:34,190 --> 00:19:31,800

do and what we bring to the table so it

486

00:19:36,140 --> 00:19:34,200

was really nice to feel like valued and

487

00:19:37,970 --> 00:19:36,150

important here at the Center for sure

488

00:19:39,650 --> 00:19:37,980

yeah I always hear that around the

489

00:19:42,080 --> 00:19:39,660

center of interns are actually really

490

00:19:44,200 --> 00:19:42,090

valuable members of the team right yeah

491

00:19:46,100 --> 00:19:44,210

excellent do you have any advice for

492

00:19:50,740 --> 00:19:46,110

students who are thinking about applying

493

00:19:52,970 --> 00:19:50,750

so my advice would be to be confident I

494

00:19:56,600 --> 00:19:52,980

for sure never thought that I would get

495

00:19:58,100 --> 00:19:56,610

this but I just applied I think when

496

00:20:00,290 --> 00:19:58,110

you're doing your application they have

497

00:20:02,700 --> 00:20:00,300

a lot of like short answer type of

498

00:20:04,800 --> 00:20:02,710

questions I think you should really

499

00:20:06,810 --> 00:20:04,810

your personality shine through because

500

00:20:09,060 --> 00:20:06,820

they're definitely looking for genuine

501  
00:20:11,310 --> 00:20:09,070  
people and if you are passionate about

502  
00:20:14,970 --> 00:20:11,320  
something if you love science and you

503  
00:20:17,580 --> 00:20:14,980  
make that very like your forefront I

504  
00:20:19,740 --> 00:20:17,590  
think a lot of people cut like really

505  
00:20:22,110 --> 00:20:19,750  
pick up on that so I would say all the

506  
00:20:25,410 --> 00:20:22,120  
mentors here they're really looking for

507  
00:20:26,250 --> 00:20:25,420  
you know an authentic well-rounded

508  
00:20:28,220 --> 00:20:26,260  
person

509  
00:20:30,690 --> 00:20:28,230  
so I would say definitely just be

510  
00:20:32,460 --> 00:20:30,700  
confident in yourself put your passions

511  
00:20:34,800 --> 00:20:32,470  
out there and don't be scared because

512  
00:20:36,720 --> 00:20:34,810  
you couldn't get an internship I don't

513  
00:20:38,310 --> 00:20:36,730

I'm very grateful I'm here and I

514

00:20:40,400 --> 00:20:38,320

definitely when I applied was like I

515

00:20:42,960 --> 00:20:40,410

will not get this right right but I

516

00:20:45,060 --> 00:20:42,970

really just talked about my passions and

517

00:20:47,640 --> 00:20:45,070

the pre-med and life support and I'm

518

00:20:49,170 --> 00:20:47,650

here so my advice is just don't doubt

519

00:20:52,530 --> 00:20:49,180

yourself mm-hmm

520

00:20:53,880 --> 00:20:52,540

that's excellence good for you finding

521

00:20:56,250 --> 00:20:53,890

that confidence and you always got to

522

00:20:59,730 --> 00:20:56,260

say you can't get it unless I try so

523

00:21:02,190 --> 00:20:59,740

exactly exactly exactly so when you

524

00:21:03,840 --> 00:21:02,200

applied for did you apply to multiple

525

00:21:06,150 --> 00:21:03,850

projects or did you focus on the one

526  
00:21:09,570 --> 00:21:06,160  
that you knew you really wanted so on

527  
00:21:12,030 --> 00:21:09,580  
the intern site you can apply to up to I

528  
00:21:15,990 --> 00:21:12,040  
think 15 I think I applied to all of

529  
00:21:17,670 --> 00:21:16,000  
them it was very easy to apply they have

530  
00:21:20,880 --> 00:21:17,680  
it all broken down by like major

531  
00:21:23,040 --> 00:21:20,890  
interest so I put in like medical

532  
00:21:24,870 --> 00:21:23,050  
biology chemistry the things that I'm

533  
00:21:27,420 --> 00:21:24,880  
passionate about and I chose a couple

534  
00:21:29,070 --> 00:21:27,430  
projects and I heard back from this one

535  
00:21:31,740 --> 00:21:29,080  
and I immediately was like yes do this

536  
00:21:34,080 --> 00:21:31,750  
one so yes yes definitely applied for

537  
00:21:35,460 --> 00:21:34,090  
many many cuz like it's NASA mm-hmm that

538  
00:21:37,380 --> 00:21:35,470

seems like good advice there must be a

539

00:21:39,180 --> 00:21:37,390

lot of people applying right yeah

540

00:21:42,600 --> 00:21:39,190

definitely just so did you apply to all

541

00:21:44,460 --> 00:21:42,610

different centers yes I applied to a lot

542

00:21:47,280 --> 00:21:44,470

of different centers mostly Ames though

543

00:21:49,140 --> 00:21:47,290

because I love California I love the

544

00:21:51,300 --> 00:21:49,150

west coast and I just I really liked

545

00:21:54,300 --> 00:21:51,310

this Center particularly but I applied

546

00:21:57,060 --> 00:21:54,310

to a bunch of them all right yeah cool

547

00:21:58,770 --> 00:21:57,070

any uh any other questions that you guys

548

00:22:01,360 --> 00:21:58,780

have always wanted to ask your interns

549

00:22:03,730 --> 00:22:01,370

once they've died here

550

00:22:06,280 --> 00:22:03,740

what is something that surprised you

551  
00:22:10,420 --> 00:22:06,290  
about NASA yeah something cries me I

552  
00:22:12,490 --> 00:22:10,430  
would say how we do real work here like

553  
00:22:15,490 --> 00:22:12,500  
I kind of was walking into this thinking

554  
00:22:18,070 --> 00:22:15,500  
I'm gonna be filling out paperwork or

555  
00:22:20,260 --> 00:22:18,080  
not being able to really work in a lab

556  
00:22:23,020 --> 00:22:20,270  
but I got here and my mentor was like

557  
00:22:25,150 --> 00:22:23,030  
free game like here's your lab here's

558  
00:22:27,940 --> 00:22:25,160  
the issue that we have and we want your

559  
00:22:31,420 --> 00:22:27,950  
ideas and I was very surprised to feel

560  
00:22:33,310 --> 00:22:31,430  
very valued here and to feel like if I

561  
00:22:35,830 --> 00:22:33,320  
was sitting in a meeting that I could

562  
00:22:38,800 --> 00:22:35,840  
actually bring something up and that

563  
00:22:42,280 --> 00:22:38,810

would be taken into consideration and I

564

00:22:43,960 --> 00:22:42,290

was able to really do actual lab work

565

00:22:45,670 --> 00:22:43,970

like I work in a lab every single day

566

00:22:48,610 --> 00:22:45,680

and that that was surprising and then

567

00:22:51,130 --> 00:22:48,620

like the best way possible yeah so did

568

00:22:53,020 --> 00:22:51,140

you come in prepared already to know how

569

00:22:54,670 --> 00:22:53,030

to work in a lab or did they train you

570

00:22:57,070 --> 00:22:54,680

when you got here they did train me when

571

00:22:58,930 --> 00:22:57,080

I got here I had some lab experience but

572

00:23:00,850 --> 00:22:58,940

they're really good about like safety

573

00:23:03,850 --> 00:23:00,860

training making you feel comfortable and

574

00:23:06,220 --> 00:23:03,860

the atmosphere is so great here that

575

00:23:07,750 --> 00:23:06,230

like I'm not afraid to ask a question so

576

00:23:10,660 --> 00:23:07,760

if I'm not sure if I'm doing something

577

00:23:12,430 --> 00:23:10,670

right or my experiment is just like not

578

00:23:14,140 --> 00:23:12,440

gone how I wanted to I feel very

579

00:23:16,480 --> 00:23:14,150

comfortable here because they set up

580

00:23:18,040 --> 00:23:16,490

that atmosphere where you could just sit

581

00:23:20,530 --> 00:23:18,050

down with any of the scientists and be

582

00:23:23,320 --> 00:23:20,540

like hey I need a little bit of help I'm

583

00:23:26,380 --> 00:23:23,330

a little lost and everyone I've worked

584

00:23:28,030 --> 00:23:26,390

with has really taken time out of their

585

00:23:30,100 --> 00:23:28,040

day to help me out even people that

586

00:23:32,140 --> 00:23:30,110

aren't my mentor but like the other

587

00:23:34,270 --> 00:23:32,150

scientists at my building they've really

588

00:23:36,610 --> 00:23:34,280

made me feel comfortable and helped me a

589

00:23:37,540 --> 00:23:36,620

lot that's a wonderful thing here yeah

590

00:23:40,420 --> 00:23:37,550

that is good to hear

591

00:23:44,380 --> 00:23:40,430

standing any final thoughts you would

592

00:23:46,810 --> 00:23:44,390

like to add I love it here everyone

593

00:23:48,760 --> 00:23:46,820

should apply don't be scared to apply

594

00:23:50,650 --> 00:23:48,770

it's this has been probably the best

595

00:23:53,380 --> 00:23:50,660

summer I've ever had and it's just been

596

00:23:55,540 --> 00:23:53,390

an amazing experience wonderful oh yeah

597

00:23:58,870 --> 00:23:55,550

I'm happy for you thank you for coming

598

00:24:01,060 --> 00:23:58,880

and sharing having me well good luck

599

00:24:05,080 --> 00:24:01,070

with your internships thank you two more

600

00:24:07,720 --> 00:24:05,090

weeks later all right

601  
00:24:09,580 --> 00:24:07,730  
so to apply for an internship at NASA

602  
00:24:11,220 --> 00:24:09,590  
for more information learn more about it

603  
00:24:14,050 --> 00:24:11,230  
you want to go to the website intern

604  
00:24:15,070 --> 00:24:14,060  
nasa.gov so that was really

605  
00:24:17,049 --> 00:24:15,080  
inspirational

606  
00:24:19,930 --> 00:24:17,059  
like I want to be a NASA intern now that

607  
00:24:22,060 --> 00:24:19,940  
I have heard this experience I did some

608  
00:24:23,889 --> 00:24:22,070  
cool internships but nothing that rivals

609  
00:24:25,659 --> 00:24:23,899  
that so that's awesome yes

610  
00:24:27,909 --> 00:24:25,669  
put these possibilities together for

611  
00:24:31,799 --> 00:24:27,919  
them yeah it's nice to hear like she was

612  
00:24:37,810 --> 00:24:33,880  
whenever interests are here and their

613  
00:24:39,340 --> 00:24:37,820

energies it definitely shows around the

614

00:24:40,899 --> 00:24:39,350

center around like if there are talks

615

00:24:42,639 --> 00:24:40,909

it's packed the auditorium is packed

616

00:24:44,680 --> 00:24:42,649

because the interns are really excited

617

00:24:46,870 --> 00:24:44,690

to be here and learn and be exposed to

618

00:24:49,120 --> 00:24:46,880

all these different assets so it's a

619

00:24:51,930 --> 00:24:49,130

good reminder for me like there's cool

620

00:24:55,870 --> 00:24:51,940

stuff happening here go see it

621

00:24:59,139 --> 00:24:55,880

outstanding all right so let us do some

622

00:25:00,879 --> 00:24:59,149

rapid fire what if questions all right

623

00:25:03,460 --> 00:25:00,889

if you guys are up for that let's do it

624

00:25:05,350 --> 00:25:03,470

all right so people are is gonna have

625

00:25:07,629 --> 00:25:05,360

their own special case right but these

626  
00:25:08,320 --> 00:25:07,639  
are some common ones like what if I'm in

627  
00:25:10,810 --> 00:25:08,330  
high school

628  
00:25:12,399 --> 00:25:10,820  
can I intern at NASA yeah so there's a

629  
00:25:14,379 --> 00:25:12,409  
minimum age requirement you have to be

630  
00:25:16,060 --> 00:25:14,389  
at least 16 years old but as long as

631  
00:25:17,470 --> 00:25:16,070  
you're 16 or older we do have

632  
00:25:20,409 --> 00:25:17,480  
opportunities available for high school

633  
00:25:23,560 --> 00:25:20,419  
students all right yes apply yes okay

634  
00:25:26,320 --> 00:25:23,570  
and earlier you talked about the GPA

635  
00:25:29,230 --> 00:25:26,330  
requirement what if I don't quite have

636  
00:25:31,539 --> 00:25:29,240  
that like is that firm or what can I do

637  
00:25:33,220 --> 00:25:31,549  
to address that right so we understand

638  
00:25:35,529 --> 00:25:33,230

that an intern is a student first right

639

00:25:37,240 --> 00:25:35,539

so if you don't have the GPA we always

640

00:25:39,820 --> 00:25:37,250

encourage students who focus on school

641

00:25:43,120 --> 00:25:39,830

first once you do have the GPA of a 3.0

642

00:25:44,980 --> 00:25:43,130

on a 4.0 scale you know as I mentioned

643

00:25:47,080 --> 00:25:44,990

earlier our internship opportunities are

644

00:25:48,669 --> 00:25:47,090

available year-round so once you do have

645

00:25:52,060 --> 00:25:48,679

a 3.0 we just encourage you to apply

646

00:25:52,779 --> 00:25:52,070

then so just get your GPA up tragg in

647

00:25:55,600 --> 00:25:52,789

the next session

648

00:25:57,279 --> 00:25:55,610

right okay go back focus yeah we're card

649

00:26:00,370 --> 00:25:57,289

and come back again when you're ready

650

00:26:02,950 --> 00:26:00,380

yeah now what if I'm not a US citizen

651  
00:26:05,200 --> 00:26:02,960  
so situation there yeah the NASA

652  
00:26:07,060 --> 00:26:05,210  
internship program it's required that

653  
00:26:09,509 --> 00:26:07,070  
our interns are US citizens there are a

654  
00:26:11,500 --> 00:26:09,519  
few select opportunities for

655  
00:26:13,230 --> 00:26:11,510  
international students through the

656  
00:26:15,490 --> 00:26:13,240  
international internships program and

657  
00:26:18,279 --> 00:26:15,500  
there's more information about that at

658  
00:26:21,159 --> 00:26:18,289  
intern nasa.gov okay good to know that

659  
00:26:23,680 --> 00:26:21,169  
those exist a few a few yes a few right

660  
00:26:24,560 --> 00:26:23,690  
not not many but we have so many viewers

661  
00:26:26,690 --> 00:26:24,570  
around the world

662  
00:26:29,019 --> 00:26:26,700  
excited by NASA right right good for

663  
00:26:31,759 --> 00:26:29,029

them to be able to go look into that

664

00:26:34,370 --> 00:26:31,769

what if I recently graduated from

665

00:26:37,370 --> 00:26:34,380

college do I have to feel like oh I

666

00:26:38,180 --> 00:26:37,380

missed my chance is it too late so it's

667

00:26:40,340 --> 00:26:38,190

not too late

668

00:26:42,799 --> 00:26:40,350

you're so eligible six months after you

669

00:26:44,960 --> 00:26:42,809

graduated so you would still be eligible

670

00:26:46,669 --> 00:26:44,970

if that's you okay all right six months

671

00:26:49,430 --> 00:26:46,679

after graduation so it's pretty common

672

00:26:50,629 --> 00:26:49,440

when students graduate in May they're

673

00:26:52,340 --> 00:26:50,639

still able to intern the following

674

00:26:54,080 --> 00:26:52,350

summer and yeah also the following fall

675

00:26:56,120 --> 00:26:54,090

okay right yeah that makes sense the

676

00:26:58,580 --> 00:26:56,130

next two sessions all right very good

677

00:27:01,610 --> 00:26:58,590

what if I'm enrolled at Community

678

00:27:03,619 --> 00:27:01,620

College yes definitely you know as long

679

00:27:05,419 --> 00:27:03,629

as you're enrolled in a degree granting

680

00:27:07,129 --> 00:27:05,429

program or institution you know you're

681

00:27:09,379 --> 00:27:07,139

eligible so that includes me college

682

00:27:10,759 --> 00:27:09,389

students another program that we

683

00:27:13,220 --> 00:27:10,769

encourage from the college students to

684

00:27:15,470 --> 00:27:13,230

check out is the NASA community college

685

00:27:18,049 --> 00:27:15,480

aerospace scholars also known as n cask

686

00:27:20,180 --> 00:27:18,059

so we've seen a lot of MCAT students

687

00:27:23,119 --> 00:27:20,190

become NASA interns so that's something

688

00:27:24,590 --> 00:27:23,129

for those college students to check out

689

00:27:26,389 --> 00:27:24,600

all right a program specifically for

690

00:27:28,430 --> 00:27:26,399

Community College then maybe from there

691

00:27:30,830 --> 00:27:28,440

mm-hm yeah they're into the internship

692

00:27:33,409 --> 00:27:30,840

right and simultaneously you can apply

693

00:27:35,570 --> 00:27:33,419

to both programs as well okay very good

694

00:27:40,369 --> 00:27:35,580

all right let me see about taking some

695

00:27:42,080 --> 00:27:40,379

questions from the chat okay well I

696

00:27:44,330 --> 00:27:42,090

think this one we have answered but it

697

00:27:46,100 --> 00:27:44,340

depends on this person's timing Buster

698

00:27:47,960 --> 00:27:46,110

Jerry asks can you pursue an internship

699

00:27:51,799 --> 00:27:47,970

even after graduating with an aerospace

700

00:27:54,560 --> 00:27:51,809

degree you sure can six months after

701  
00:27:56,080 --> 00:27:54,570  
graduation yes you can all right very

702  
00:28:01,850 --> 00:27:56,090  
good

703  
00:28:03,619 --> 00:28:01,860  
applying for an internship at NASA and I

704  
00:28:05,840 --> 00:28:03,629  
need a letter of recommendation I know

705  
00:28:07,310 --> 00:28:05,850  
someone at NASA but are they allowed as

706  
00:28:10,009 --> 00:28:07,320  
a NASA employee to write a letter of

707  
00:28:12,830 --> 00:28:10,019  
recommendation yeah they are hmm and we

708  
00:28:14,960 --> 00:28:12,840  
we see that that's pretty common so for

709  
00:28:17,210 --> 00:28:14,970  
example like the students who do in cast

710  
00:28:18,560 --> 00:28:17,220  
they'll ask they're in cast mentors to

711  
00:28:20,419 --> 00:28:18,570  
write them a lot of recommendation so

712  
00:28:22,610 --> 00:28:20,429  
definitely something we see definitely

713  
00:28:23,990 --> 00:28:22,620

loud right and just as a reminder for

714

00:28:25,190 --> 00:28:24,000

letters of recommendation you always

715

00:28:27,019 --> 00:28:25,200

want someone that can speak highly of

716

00:28:28,879 --> 00:28:27,029

you so if that's the person then yes

717

00:28:31,570 --> 00:28:28,889

okay that's great that's a really

718

00:28:34,210 --> 00:28:31,580

specific question that

719

00:28:36,940 --> 00:28:34,220

you have the answer here's a question a

720

00:28:38,920 --> 00:28:36,950

rhetorical question from space TV net is

721

00:28:41,050 --> 00:28:38,930

there a cooler internship anywhere in

722

00:28:43,530 --> 00:28:41,060

the universe definitely not I don't

723

00:28:50,320 --> 00:28:47,590

excellent point here we also have

724

00:28:53,560 --> 00:28:50,330

answered this will remind them of

725

00:28:55,420 --> 00:28:53,570

the possibilities we should be Rashad

726

00:28:57,130 --> 00:28:55,430

the eight-six 37 is there any

727

00:28:59,890 --> 00:28:57,140

possibility of a person from India to be

728

00:29:03,280 --> 00:28:59,900

an intern at NASA yeah they would need

729

00:29:06,100 --> 00:29:03,290

to go as a intern nasa.gov to see if

730

00:29:08,500 --> 00:29:06,110

their country is one of the agencies

731

00:29:09,370 --> 00:29:08,510

that we have a partnership with yeah all

732

00:29:11,740 --> 00:29:09,380

right

733

00:29:13,510 --> 00:29:11,750

and that goes also for a moot is there

734

00:29:15,940 --> 00:29:13,520

any way to get in without being a US

735

00:29:17,530 --> 00:29:15,950

citizen there could be depending on

736

00:29:19,930 --> 00:29:17,540

programs offered by your country right

737

00:29:20,350 --> 00:29:19,940

and they can learn more at interned a

738

00:29:22,480 --> 00:29:20,360

sadhaka

739

00:29:25,870 --> 00:29:22,490

that's right that's the one-stop-shop

740

00:29:28,420 --> 00:29:25,880

for internships at NASA yeah it says

741

00:29:30,490 --> 00:29:28,430

right on the homepage I think like I am

742

00:29:32,260 --> 00:29:30,500

an international student or something

743

00:29:34,180 --> 00:29:32,270

you click it and yeah you can get all

744

00:29:35,830 --> 00:29:34,190

the information there ok that's good so

745

00:29:38,350 --> 00:29:35,840

that yet it helps you it's very clear

746

00:29:41,320 --> 00:29:38,360

throughout the information you need

747

00:29:42,820 --> 00:29:41,330

Yeah right there awesome let's see let's

748

00:29:44,590 --> 00:29:42,830

see I have some of my questions I have

749

00:29:47,020 --> 00:29:44,600

some of the chats questions

750

00:29:49,930 --> 00:29:47,030

I like this personal I'm interested in

751

00:29:51,910 --> 00:29:49,940

their profile the Jaypee guy I have a

752

00:29:54,580 --> 00:29:51,920

philosophy degree can I find a job

753

00:29:56,200 --> 00:29:54,590

anywhere in NASA yeah you know as we

754

00:29:57,370 --> 00:29:56,210

mentioned well as Haley mentioned

755

00:30:01,090 --> 00:29:57,380

earlier you know we do have some

756

00:30:03,640 --> 00:30:01,100

non-stem majors opportunities for folks

757

00:30:05,110 --> 00:30:03,650

you know not science and so we just

758

00:30:06,760 --> 00:30:05,120

encourage you to visit internet [nasa.gov](http://nasa.gov)

759

00:30:08,050 --> 00:30:06,770

check out the projects that are

760

00:30:09,670 --> 00:30:08,060

available to read the project

761

00:30:13,410 --> 00:30:09,680

descriptions and if it's a project that

762

00:30:18,720 --> 00:30:13,420

interests you apply mm-hmm yeah

763

00:30:22,030 --> 00:30:18,730

barrilito 3 says too bad I'm 16 but

764

00:30:24,940 --> 00:30:22,040

because what's the minimum age minimum

765

00:30:27,850 --> 00:30:24,950

age is 16 so so then de youtube

766

00:30:29,200 --> 00:30:27,860

barrilito 3 you can apply if you meet

767

00:30:32,170 --> 00:30:29,210

the other requirements you're old enough

768

00:30:35,440 --> 00:30:32,180

or hang in there until you finish school

769

00:30:38,920 --> 00:30:35,450

and come back and college right alright

770

00:30:41,530 --> 00:30:38,930

um there are loads more questions we can

771

00:30:44,210 --> 00:30:41,540

always come back to these so I do want

772

00:30:46,460 --> 00:30:44,220

to jump ahead to our next intern

773

00:30:48,950 --> 00:30:46,470

we can get another story out here for

774

00:30:54,159 --> 00:30:48,960

people to experience so this time we're

775

00:31:04,970 --> 00:30:58,340

you're about another NASA story research

776

00:31:06,740 --> 00:31:04,980

going on this summer hey how are you

777

00:31:09,020 --> 00:31:06,750

doing today I'm super good today

778

00:31:10,820 --> 00:31:09,030

yeah just coming off a work we did a lot

779

00:31:13,010 --> 00:31:10,830

of research in the lab today so it's

780

00:31:14,029 --> 00:31:13,020

been a good lunch tell everybody your

781

00:31:16,789 --> 00:31:14,039

name where you from what are you

782

00:31:19,700 --> 00:31:16,799

studying yeah okay so I'm Vanessa um I

783

00:31:21,740 --> 00:31:19,710

am a senior at Stanford and I also have

784

00:31:23,299 --> 00:31:21,750

kind of a mouthful of a major I'm a

785

00:31:25,220 --> 00:31:23,309

human biology major with the

786

00:31:28,220 --> 00:31:25,230

concentration and neuroscience brain and

787

00:31:31,640 --> 00:31:28,230

behavior and then I minored in astronomy

788

00:31:33,500 --> 00:31:31,650

and astrophysics I love that you sound

789

00:31:34,820 --> 00:31:33,510

like someone who is passionate about all

790

00:31:36,409 --> 00:31:34,830

sorts of things and you didn't want to

791

00:31:38,960 --> 00:31:36,419

have to decide so you just went for it

792

00:31:41,000 --> 00:31:38,970

all yeah it's actually really exciting

793

00:31:42,409 --> 00:31:41,010

um because a lot of people are like oh

794

00:31:44,990 --> 00:31:42,419

that seems so different like

795

00:31:46,340 --> 00:31:45,000

astrophysics and biology but it's

796

00:31:48,250 --> 00:31:46,350

actually really really interesting

797

00:31:50,539 --> 00:31:48,260

because they go hand in hand pretty well

798

00:31:52,909 --> 00:31:50,549

one of the things that I'm really really

799

00:31:55,159 --> 00:31:52,919

passionate about is studying life in the

800

00:31:56,600 --> 00:31:55,169

universe and life and planets and worlds

801  
00:32:04,549 --> 00:31:56,610  
beyond our own and how we can foster

802  
00:32:07,190 --> 00:32:04,559  
that you're in the right place and it's

803  
00:32:09,470 --> 00:32:07,200  
really cool cuz Ames is one of the NASA

804  
00:32:12,140 --> 00:32:09,480  
centers that specializes or has a lot of

805  
00:32:13,820 --> 00:32:12,150  
labs that work in the Biosciences and so

806  
00:32:15,260 --> 00:32:13,830  
astrobiology is a big thing here and

807  
00:32:16,789 --> 00:32:15,270  
it's really exciting the work that

808  
00:32:18,500 --> 00:32:16,799  
people are getting it is exciting but

809  
00:32:21,289 --> 00:32:18,510  
what exactly are you working on specific

810  
00:32:23,750 --> 00:32:21,299  
yeah so right now I work in an amazing

811  
00:32:26,060 --> 00:32:23,760  
lab my mentors are really cool shout out

812  
00:32:28,700 --> 00:32:26,070  
to Phil to scan and Patricia Cowen and

813  
00:32:31,850 --> 00:32:28,710

we work in the psychophysiology lab

814

00:32:34,490 --> 00:32:31,860

psychophysiology so it's really amazing

815

00:32:36,409 --> 00:32:34,500

work one of their biggest projects is

816

00:32:38,570 --> 00:32:36,419

they've created a training program for

817

00:32:41,120 --> 00:32:38,580

astronauts called afte

818

00:32:42,590 --> 00:32:41,130

and it basically allows astronauts to

819

00:32:45,409 --> 00:32:42,600

control different physiological

820

00:32:47,419 --> 00:32:45,419

conditions in space and on earth such as

821

00:32:50,960 --> 00:32:47,429

their heart rate breathing rate to

822

00:32:52,490 --> 00:32:50,970

mature mentally so that's really amazing

823

00:32:54,680 --> 00:32:52,500

it's a six-hour training program and

824

00:32:56,150 --> 00:32:54,690

once they go through it they can really

825

00:32:57,500 --> 00:32:56,160

control these things

826

00:32:59,690 --> 00:32:57,510

and it helps them space a lot with

827

00:33:01,190 --> 00:32:59,700

motion sickness because that's a symptom

828

00:33:02,510 --> 00:33:01,200

frequently experienced by a lot of

829

00:33:04,100 --> 00:33:02,520

astronauts and also when they get back

830

00:33:06,860 --> 00:33:04,110

down to earth they're a little dizzy and

831

00:33:09,860 --> 00:33:06,870

disoriented and this mental training in

832

00:33:11,720 --> 00:33:09,870

six hours it's clinically they did

833

00:33:14,600 --> 00:33:11,730

clinical trials and it works better than

834

00:33:17,780 --> 00:33:14,610

the shots that people would have for

835

00:33:19,580 --> 00:33:17,790

like motion to medicine so that's really

836

00:33:21,350 --> 00:33:19,590

cool stuff and then right now we're

837

00:33:24,290 --> 00:33:21,360

doing a second fold project as well

838

00:33:27,260 --> 00:33:24,300

we're working on a bio suit paired with

839

00:33:28,820 --> 00:33:27,270

Canadian Space Agency as well and it can

840

00:33:30,620 --> 00:33:28,830

help astronauts monitor their

841

00:33:32,210 --> 00:33:30,630

physiological conditions in space too

842

00:33:33,890 --> 00:33:32,220

and report it back to them real time

843

00:33:40,550 --> 00:33:33,900

once they were testing it out in the lab

844

00:33:43,460 --> 00:33:40,560

right now how cool the motion sickness

845

00:33:46,550 --> 00:33:43,470

studies what what are you doing to study

846

00:33:53,110 --> 00:33:46,560

that with yeah so our lab is infamous

847

00:33:58,070 --> 00:33:56,450

and it spins at increasing rotations per

848

00:34:00,500 --> 00:33:58,080

minute and it mimics motion sickness

849

00:34:02,750 --> 00:34:00,510

symptoms in space and that astronauts

850

00:34:05,690 --> 00:34:02,760

often experience and so we're testing

851

00:34:08,180 --> 00:34:05,700

our test participants in the chair and

852

00:34:10,070 --> 00:34:08,190

seeing how they feel as time goes on and

853

00:34:12,500 --> 00:34:10,080

they're also wearing the suit so we're

854

00:34:14,240 --> 00:34:12,510

able to see like on our devices and they

855

00:34:16,220 --> 00:34:14,250

could see as well on their iOS device

856

00:34:17,780 --> 00:34:16,230

their heart rate breathing rate blood

857

00:34:20,000 --> 00:34:17,790

pressure and that's really indicative of

858

00:34:21,800 --> 00:34:20,010

how sick they're feeling hmm and then

859

00:34:23,720 --> 00:34:21,810

after they do the training they're able

860

00:34:25,940 --> 00:34:23,730

to see the screen with their

861

00:34:28,399 --> 00:34:25,950

physiological conditions and rates and

862

00:34:30,230 --> 00:34:28,409

things like that and mentally bring

863

00:34:36,710 --> 00:34:30,240

these things up or down in ways that

864

00:34:39,649 --> 00:34:36,720

mitigate sickness have you tried have

865

00:34:40,540 --> 00:34:39,659

you ridden in oh I wish so you have to

866

00:34:42,590 --> 00:34:40,550

go through medical clearance

867

00:34:45,619 --> 00:34:42,600

unfortunately so as interns or

868

00:34:51,649 --> 00:34:45,629

liabilities I guess I'd be willing to

869

00:34:58,130 --> 00:34:56,330

yeah awesome so I can see how your work

870

00:35:00,710 --> 00:34:58,140

is gonna contribute to the Artemis

871

00:35:02,810 --> 00:35:00,720

program do you feel that in your day to

872

00:35:05,210 --> 00:35:02,820

day here how do you feel about that yeah

873

00:35:06,950 --> 00:35:05,220

so it is really really exciting to be

874

00:35:08,570 --> 00:35:06,960

working at NASA during this time all the

875

00:35:09,770 --> 00:35:08,580

interns are really grateful we can feel

876

00:35:11,390 --> 00:35:09,780

the energy

877

00:35:13,160 --> 00:35:11,400

it's really cool because they're

878

00:35:14,660 --> 00:35:13,170

actually flying the spacesuits at the

879

00:35:16,550 --> 00:35:14,670

International Space Station right now

880

00:35:18,440 --> 00:35:16,560

I really are mom and so we're continuing

881

00:35:21,260 --> 00:35:18,450

to test out the model and figure out

882

00:35:23,900 --> 00:35:21,270

ways that we can improve on it and a lot

883

00:35:26,450 --> 00:35:23,910

of amazing astronauts have worked with

884

00:35:29,270 --> 00:35:26,460

my mentors and had the motion sickness

885

00:35:31,520 --> 00:35:29,280

training themselves like Mae jimson had

886

00:35:33,560 --> 00:35:31,530

it and she we have a ton of pictures of

887

00:35:35,720 --> 00:35:33,570

them in our wall of our lab and when

888

00:35:39,740 --> 00:35:35,730

they're signed like never felt sick

889

00:35:41,300 --> 00:35:39,750

again like really great so yeah Mae I'm

890

00:35:42,920 --> 00:35:41,310

in tourism pretty much the goats and

891

00:35:44,600 --> 00:35:42,930

it's really exciting to work with them

892

00:35:46,190 --> 00:35:44,610

especially during this time knowing that

893

00:35:47,960 --> 00:35:46,200

you're working on something that's gonna

894

00:35:49,310 --> 00:35:47,970

carry people especially on longer

895

00:35:53,360 --> 00:35:49,320

missions when we're headed to the moon

896

00:35:54,740 --> 00:35:53,370

headed to Mars from there and that can

897

00:35:57,470 --> 00:35:54,750

take a really big toll on the body that

898

00:35:59,510 --> 00:35:57,480

we haven't foreseen before it's taking

899

00:36:01,730 --> 00:35:59,520

such long space flights so they're

900

00:36:03,170 --> 00:36:01,740

really going to need a lot of people in

901  
00:36:04,760 --> 00:36:03,180  
biology and medicine coming out and

902  
00:36:06,590 --> 00:36:04,770  
supporting this program so it's an

903  
00:36:07,790 --> 00:36:06,600  
exciting time for everyone what's that

904  
00:36:09,860 --> 00:36:07,800  
that is exciting

905  
00:36:12,380 --> 00:36:09,870  
do you have a favorite thing about your

906  
00:36:14,780 --> 00:36:12,390  
internship yeah so my favorite thing

907  
00:36:16,700 --> 00:36:14,790  
about my internship I have two my first

908  
00:36:18,260 --> 00:36:16,710  
one is just really actually getting to

909  
00:36:21,620 --> 00:36:18,270  
contribute to the work that our lab is

910  
00:36:23,330 --> 00:36:21,630  
doing and interacting with our test

911  
00:36:25,190 --> 00:36:23,340  
participants and like talking to them

912  
00:36:27,350 --> 00:36:25,200  
and we have different tests in the chair

913  
00:36:28,520 --> 00:36:27,360

they'll exercise wearing the suit to

914

00:36:30,320 --> 00:36:28,530

mimic a lot of conditions that

915

00:36:32,810 --> 00:36:30,330

astronauts might be under and see if the

916

00:36:34,130 --> 00:36:32,820

suit holds up in them and interacting

917

00:36:36,560 --> 00:36:34,140

with them you're actually a research

918

00:36:39,230 --> 00:36:36,570

I've got a clipboard like I'm running

919

00:36:40,820 --> 00:36:39,240

the experiment um sometimes our mentors

920

00:36:42,680 --> 00:36:40,830

are there sometimes they're not um so

921

00:36:44,330 --> 00:36:42,690

you're really like in charge of the

922

00:36:46,460 --> 00:36:44,340

experiment and that's really cool to

923

00:36:48,050 --> 00:36:46,470

have that handed to you and to be able

924

00:36:50,750 --> 00:36:48,060

to make an impact and to be treated

925

00:36:52,610 --> 00:36:50,760

taken seriously like when you come on

926

00:36:54,080 --> 00:36:52,620

and being able to prove that yeah I

927

00:36:56,330 --> 00:36:54,090

can't step up and do this it's a really

928

00:36:58,040 --> 00:36:56,340

good feeling to contribute my second

929

00:36:59,750 --> 00:36:58,050

thing is hearing really cool stories

930

00:37:02,510 --> 00:36:59,760

from my mentors they've been working at

931

00:37:03,950 --> 00:37:02,520

NASA for over 40 years so they're

932

00:37:06,080 --> 00:37:03,960

amazing so they have tons of stories

933

00:37:08,060 --> 00:37:06,090

about like going in those zero-g planes

934

00:37:10,220 --> 00:37:08,070

interacting with astronauts cosmonauts

935

00:37:12,920 --> 00:37:10,230

and like the Japanese astronauts all

936

00:37:14,330 --> 00:37:12,930

receive training from them so that's one

937

00:37:16,640 --> 00:37:14,340

of my favorite things too is to hear the

938

00:37:18,860 --> 00:37:16,650

stories and hear about their life

939

00:37:20,840 --> 00:37:18,870

experiences here and you really feel a

940

00:37:22,820 --> 00:37:20,850

part of a legacy of like space

941

00:37:24,830 --> 00:37:22,830

innovation and just exploration

942

00:37:26,810 --> 00:37:24,840

and it's really exciting that is

943

00:37:28,550 --> 00:37:26,820

exciting you feel the past that came

944

00:37:30,530 --> 00:37:28,560

before you know you're contributing to

945

00:37:32,840 --> 00:37:30,540

the future to come yeah that's so

946

00:37:39,340 --> 00:37:32,850

awesome mm-hmm I want you to know that

947

00:37:46,670 --> 00:37:42,260

and this person is sending in my

948

00:37:48,080 --> 00:37:46,680

application ASAP um it's great that you

949

00:37:49,570 --> 00:37:48,090

could apply pretty much any time at the

950

00:37:58,700 --> 00:37:49,580

year's really exciting

951  
00:38:01,880 --> 00:37:58,710  
outstanding how cool is she jeez no you

952  
00:38:05,180 --> 00:38:01,890  
Vanessa I'm looking for other questions

953  
00:38:07,250 --> 00:38:05,190  
that might be great for you well

954  
00:38:09,140 --> 00:38:07,260  
someone's asking was a process of

955  
00:38:11,270 --> 00:38:09,150  
getting the internship specifically what

956  
00:38:14,420 --> 00:38:11,280  
time did you apply and you can plan on

957  
00:38:15,680 --> 00:38:14,430  
staying about that part but um could you

958  
00:38:17,360 --> 00:38:15,690  
tell us a little bit about like how far

959  
00:38:20,360 --> 00:38:17,370  
in advance did you apply did you choose

960  
00:38:22,820 --> 00:38:20,370  
a bunch of projects or one or yeah so I

961  
00:38:24,560 --> 00:38:22,830  
chose a lot of projects at Ames since

962  
00:38:28,190 --> 00:38:24,570  
they had a lot of biology based programs

963  
00:38:29,660 --> 00:38:28,200

and I'm a biology major um not a flight

964

00:38:31,550 --> 00:38:29,670

engineer or anything like that but yeah

965

00:38:34,640 --> 00:38:31,560

so they had a lot of aims and so I

966

00:38:36,110 --> 00:38:34,650

filtered it by Biosciences biology cell

967

00:38:37,610 --> 00:38:36,120

science things like that things that I

968

00:38:41,210 --> 00:38:37,620

was really interested and excited about

969

00:38:42,710 --> 00:38:41,220

um and I found three that I applied to

970

00:38:46,010 --> 00:38:42,720

here that like really stuck out to me

971

00:38:48,230 --> 00:38:46,020

and so I started applying probably

972

00:38:50,330 --> 00:38:48,240

thinking about it like three months in

973

00:38:52,370 --> 00:38:50,340

advance I started writing my application

974

00:38:53,990 --> 00:38:52,380

about one month in advance but I think

975

00:38:55,550 --> 00:38:54,000

that it is really important with some

976  
00:38:58,310 --> 00:38:55,560  
cool advance planning that you can do

977  
00:38:59,930 --> 00:38:58,320  
starting in the months prior I really

978  
00:39:01,010 --> 00:38:59,940  
really recommend thinking about like

979  
00:39:02,600 --> 00:39:01,020  
things that you could say or like

980  
00:39:04,580 --> 00:39:02,610  
passions that you could write about that

981  
00:39:06,320 --> 00:39:04,590  
really makes your personality shine

982  
00:39:07,850 --> 00:39:06,330  
through your application but also

983  
00:39:09,710 --> 00:39:07,860  
thinking about your letter of

984  
00:39:11,990 --> 00:39:09,720  
recommendation who's going to write it

985  
00:39:15,380 --> 00:39:12,000  
and like who you want to speak on your

986  
00:39:17,810 --> 00:39:15,390  
behalf and if that person can actually

987  
00:39:20,630 --> 00:39:17,820  
show some stories about you and like how

988  
00:39:22,670 --> 00:39:20,640

you've taken X skill that they have on

989

00:39:23,990 --> 00:39:22,680

the application and a story about how

990

00:39:25,370 --> 00:39:24,000

you've applied it and also putting that

991

00:39:27,200 --> 00:39:25,380

in your own application like kind of

992

00:39:29,420 --> 00:39:27,210

spitting out the qualifications that

993

00:39:30,950 --> 00:39:29,430

they want but with an example that

994

00:39:33,260 --> 00:39:30,960

you've done on your own is really great

995

00:39:35,120 --> 00:39:33,270

and another thing about letters of

996

00:39:37,130 --> 00:39:35,130

recommendation that I learned and

997

00:39:38,300 --> 00:39:37,140

that is really helpful is that you don't

998

00:39:40,070 --> 00:39:38,310

actually have to let your recommenders

999

00:39:41,390 --> 00:39:40,080

like go into the wind and just say hey

1000

00:39:43,490 --> 00:39:41,400

can you write a recommendation for this

1001  
00:39:45,890 --> 00:39:43,500  
program and you can actually suggest

1002  
00:39:47,780 --> 00:39:45,900  
certain talking points when you talk to

1003  
00:39:49,430 --> 00:39:47,790  
them I email them like oh it would be

1004  
00:39:52,010 --> 00:39:49,440  
awesome if you could speak about how I

1005  
00:39:53,900 --> 00:39:52,020  
led this experiment or hide this and

1006  
00:39:55,100 --> 00:39:53,910  
give them a list of things and they

1007  
00:39:56,060 --> 00:39:55,110  
actually love that because it makes

1008  
00:39:58,220 --> 00:39:56,070  
their job a lot easier

1009  
00:39:59,810 --> 00:39:58,230  
hmm because then it's a shorter process

1010  
00:40:04,930 --> 00:39:59,820  
for them to write so like oh yes yes

1011  
00:40:09,290 --> 00:40:07,220  
anything that's not true being reminding

1012  
00:40:10,910 --> 00:40:09,300  
them I did this and this and that yeah

1013  
00:40:13,310 --> 00:40:10,920

don't forget how passionate I am about

1014

00:40:15,500 --> 00:40:13,320

this stuff yeah awesome that's really

1015

00:40:18,230 --> 00:40:15,510

good concrete advice that's really

1016

00:40:19,730 --> 00:40:18,240

helpful dad how do you have any final

1017

00:40:22,700 --> 00:40:19,740

thoughts you would just love to share

1018

00:40:26,570 --> 00:40:22,710

about your experience have you've worn

1019

00:40:28,190 --> 00:40:26,580

the suit oh I have worn the suit it kind

1020

00:40:30,500 --> 00:40:28,200

of fits like a leotard with the little

1021

00:40:32,540 --> 00:40:30,510

headband and you feel really official

1022

00:40:35,030 --> 00:40:32,550

because it really does look like some

1023

00:40:37,520 --> 00:40:35,040

kind of space view that you're Aang and

1024

00:40:39,620 --> 00:40:37,530

there's some sensors and a little plug

1025

00:40:41,720 --> 00:40:39,630

patch and like plugs and it sits in the

1026

00:40:45,550 --> 00:40:41,730

pocket of the suit and you just feel

1027

00:40:51,050 --> 00:40:48,640

just one of the perks of the job

1028

00:40:52,640 --> 00:40:51,060

yeah yeah I guess the final piece of

1029

00:40:55,910 --> 00:40:52,650

advice I have is just what you've been

1030

00:40:57,530 --> 00:40:55,920

hearing to apply apply apply apply it's

1031

00:40:59,330 --> 00:40:57,540

a really really exciting time to be

1032

00:41:01,070 --> 00:40:59,340

working at NASA right now and especially

1033

00:41:03,140 --> 00:41:01,080

with the Artemis program coming up like

1034

00:41:05,930 --> 00:41:03,150

you will be contributing to the future

1035

00:41:09,500 --> 00:41:05,940

of space exploration that is so exciting

1036

00:41:11,180 --> 00:41:09,510

so put in those applications great

1037

00:41:13,220 --> 00:41:11,190

message and so glad you get to be a part

1038

00:41:14,900 --> 00:41:13,230

of it it's exciting all right thank you

1039

00:41:18,970 --> 00:41:14,910

for stopping by today yeah thank you

1040

00:41:22,370 --> 00:41:18,980

very good love your research thank you

1041

00:41:25,100 --> 00:41:22,380

awesome another one that I want to be

1042

00:41:26,900 --> 00:41:25,110

right I decided I want to be Jordan and

1043

00:41:28,970 --> 00:41:26,910

I want to be Vanessa on my next life

1044

00:41:31,790 --> 00:41:28,980

I've been to her lab a couple times yeah

1045

00:41:33,530 --> 00:41:31,800

so cool in your jobs you guys get to

1046

00:41:39,230 --> 00:41:33,540

tour all the different labs and see oh

1047

00:41:42,740 --> 00:41:39,240

yeah we make sure - yeah we have a bunch

1048

00:41:47,030 --> 00:41:42,750

more questions before moving on someone

1049

00:42:01,080 --> 00:41:47,040

is asking if these are paid intern

1050

00:42:05,850 --> 00:42:04,080

grams it kind of depends on Center but

1051  
00:42:07,650 --> 00:42:05,860  
if you're at internet nasa.gov those

1052  
00:42:09,870 --> 00:42:07,660  
volunteer projects should be like

1053  
00:42:11,010 --> 00:42:09,880  
clearly labeled so okay no surprises

1054  
00:42:13,670 --> 00:42:11,020  
right you're getting paid unless it says

1055  
00:42:17,250 --> 00:42:13,680  
volunteer all right yeah

1056  
00:42:19,380 --> 00:42:17,260  
NASA Katey Harvey NASA in the name that

1057  
00:42:20,550 --> 00:42:19,390  
tells us something since NASA doesn't

1058  
00:42:22,230 --> 00:42:20,560  
provide housing what would you recommend

1059  
00:42:24,570 --> 00:42:22,240  
high school students do for the summer

1060  
00:42:26,700 --> 00:42:24,580  
they're from out of state

1061  
00:42:29,760 --> 00:42:26,710  
you mentioned the stipend can help cover

1062  
00:42:31,590 --> 00:42:29,770  
the cost I think that kind of goes with

1063  
00:42:33,510 --> 00:42:31,600

like just planning ahead right so if you

1064

00:42:35,940 --> 00:42:33,520

know you're applying for you know the

1065

00:42:39,180 --> 00:42:35,950

summer session just look at the center

1066

00:42:42,060 --> 00:42:39,190

that you're considering and consider the

1067

00:42:44,550 --> 00:42:42,070

area where they're at so oftentimes our

1068

00:42:47,730 --> 00:42:44,560

interns you know across the agency will

1069

00:42:49,350 --> 00:42:47,740

either look at Airbnb or you know check

1070

00:42:51,780 --> 00:42:49,360

out different housing options you know

1071

00:42:53,850 --> 00:42:51,790

in the area yeah yeah yeah and we kind

1072

00:42:55,800 --> 00:42:53,860

of went once students are accepted we'll

1073

00:42:57,540 --> 00:42:55,810

send out some housing like resources and

1074

00:42:59,820 --> 00:42:57,550

recommendations and I think most centers

1075

00:43:01,050 --> 00:42:59,830

do that so we try to help you know you

1076  
00:43:02,760 --> 00:43:01,060  
know what's there because we know a lot

1077  
00:43:05,940 --> 00:43:02,770  
of people are coming from from Abyssinia

1078  
00:43:07,200 --> 00:43:05,950  
yeah and I imagine future interns can be

1079  
00:43:09,270 --> 00:43:07,210  
in touch with each other maybe yeah

1080  
00:43:10,800 --> 00:43:09,280  
roommates that kind of thing can help

1081  
00:43:13,020 --> 00:43:10,810  
yeah yeah we help get them connected

1082  
00:43:13,740 --> 00:43:13,030  
before they're here so okay it's like

1083  
00:43:17,190 --> 00:43:13,750  
fine roommates

1084  
00:43:19,830 --> 00:43:17,200  
that helps mmm I saw a good one that I

1085  
00:43:21,270 --> 00:43:19,840  
wanted to cover here's one space TV net

1086  
00:43:23,580 --> 00:43:21,280  
is asking can people with a disability

1087  
00:43:26,490 --> 00:43:23,590  
become a NASA intern of course

1088  
00:43:32,970 --> 00:43:26,500

mmm yes plain and simple easy answer no

1089

00:43:34,800 --> 00:43:32,980

good example Astro B Astro VCAL project

1090

00:43:37,560 --> 00:43:34,810

called sq today we have interns working

1091

00:43:38,880 --> 00:43:37,570

every day does your major impact the

1092

00:43:40,680 --> 00:43:38,890

project that you work on as an intern

1093

00:43:42,060 --> 00:43:40,690

say for example if you apply as an

1094

00:43:43,920 --> 00:43:42,070

engineering major you might work on

1095

00:43:45,620 --> 00:43:43,930

rockets or biology majors might work on

1096

00:43:49,950 --> 00:43:45,630

recycling water for trips to the food

1097

00:43:52,340 --> 00:43:49,960

yeah so usually the projects are aimed

1098

00:43:55,230 --> 00:43:52,350

at specific majors sometimes though

1099

00:43:56,910 --> 00:43:55,240

there's projects where the mentors that

1100

00:43:58,920 --> 00:43:56,920

they just take a group of students and

1101  
00:44:00,450 --> 00:43:58,930  
then you know they'll tailor it more

1102  
00:44:01,770 --> 00:44:00,460  
towards you so they'll if they have an

1103  
00:44:03,740 --> 00:44:01,780  
engineering student they'll kind of give

1104  
00:44:06,720 --> 00:44:03,750  
them that portion of the project and

1105  
00:44:09,480 --> 00:44:06,730  
yeah things like that no all right cool

1106  
00:44:11,250 --> 00:44:09,490  
so speaking of mentors yeah and that's

1107  
00:44:12,750 --> 00:44:11,260  
what was just talking about how hers are

1108  
00:44:14,850 --> 00:44:12,760  
so amazing she really appreciates

1109  
00:44:15,410 --> 00:44:14,860  
working with them what exactly is the

1110  
00:44:16,910 --> 00:44:15,420  
role of

1111  
00:44:20,089 --> 00:44:16,920  
can you describe how they work with

1112  
00:44:21,559 --> 00:44:20,099  
their students yeah so our mentors I

1113  
00:44:23,270 --> 00:44:21,569

mean they're really amazing and they're

1114

00:44:25,640 --> 00:44:23,280

obviously you know experts in their

1115

00:44:26,900 --> 00:44:25,650

fields and so they're working day to day

1116

00:44:28,970 --> 00:44:26,910

with the interns they're you know

1117

00:44:30,559 --> 00:44:28,980

providing them support teaching them

1118

00:44:33,319 --> 00:44:30,569

sharing their knowledge with them giving

1119

00:44:35,210 --> 00:44:33,329

them all the necessary training so yeah

1120

00:44:37,970 --> 00:44:35,220

so they're a huge part of the internship

1121

00:44:39,680 --> 00:44:37,980

program of course hmm and just another

1122

00:44:41,359 --> 00:44:39,690

thing to add without our mentors

1123

00:44:43,099 --> 00:44:41,369

internships wouldn't exist so they're

1124

00:44:48,470 --> 00:44:43,109

very critical to the attrition program

1125

00:44:51,230 --> 00:44:48,480

right yeah and you guys talked about

1126

00:44:53,470 --> 00:44:51,240

interns becoming employees sometimes do

1127

00:44:59,539 --> 00:44:53,480

you have any that then became mentors

1128

00:45:02,569 --> 00:44:59,549

yes yeah I actually think a lot of our

1129

00:45:04,849 --> 00:45:02,579

mentors were once interns so that kind

1130

00:45:06,950 --> 00:45:04,859

of that helps a lot because they're they

1131

00:45:08,780 --> 00:45:06,960

really have that perspective and already

1132

00:45:11,270 --> 00:45:08,790

know what kind of support our interns

1133

00:45:14,720 --> 00:45:11,280

need right you guys actually invited a

1134

00:45:16,760 --> 00:45:14,730

mentor here to join us this experience

1135

00:45:23,710 --> 00:45:16,770

so we're gonna meet George now come on

1136

00:45:26,329 --> 00:45:23,720

out George mentor extraordinaire hey

1137

00:45:27,680 --> 00:45:26,339

good to see you how are you good to be

1138

00:45:29,599 --> 00:45:27,690

here I'm great thank you so much

1139

00:45:31,970 --> 00:45:29,609

excellent so you're one of our star

1140

00:45:33,109 --> 00:45:31,980

mentors with interns of your own why

1141

00:45:34,760 --> 00:45:33,119

don't you introduce yourself and tell

1142

00:45:36,559 --> 00:45:34,770

everybody what you work on here first of

1143

00:45:38,859 --> 00:45:36,569

all my name is George Brosky I'm a

1144

00:45:40,880 --> 00:45:38,869

research engineer here within the

1145

00:45:43,190 --> 00:45:40,890

diagnostics and prognostics research

1146

00:45:46,030 --> 00:45:43,200

group in the intelligent system division

1147

00:45:49,250 --> 00:45:46,040

all right yeah that also is a mouthful a

1148

00:45:51,859 --> 00:45:49,260

little know about your work in a bit

1149

00:45:53,329 --> 00:45:51,869

but you have you have chosen interns

1150

00:45:55,039 --> 00:45:53,339

yourself who've come to work with you

1151  
00:45:58,760 --> 00:45:55,049  
what kinds of things are you looking for

1152  
00:46:00,380 --> 00:45:58,770  
when they apply typically I look at the

1153  
00:46:02,750 --> 00:46:00,390  
type of skills the interns list on their

1154  
00:46:05,809 --> 00:46:02,760  
resume and how they've used in those

1155  
00:46:08,000 --> 00:46:05,819  
skills in experiences in projects so if

1156  
00:46:09,829 --> 00:46:08,010  
someone says oh I know C++ I'd like to

1157  
00:46:12,589 --> 00:46:09,839  
look I look at their resume and see how

1158  
00:46:14,930 --> 00:46:12,599  
they've used it in the past and to what

1159  
00:46:16,579 --> 00:46:14,940  
degree they've used it yeah so like our

1160  
00:46:18,109 --> 00:46:16,589  
interns said be specific in your

1161  
00:46:19,910 --> 00:46:18,119  
application right yeah something like

1162  
00:46:22,099 --> 00:46:19,920  
George is looking to see what did you do

1163  
00:46:23,569 --> 00:46:22,109

with that exactly you have yeah

1164

00:46:25,370 --> 00:46:23,579

excellent

1165

00:46:27,559 --> 00:46:25,380

I think you must look for people who

1166

00:46:28,210 --> 00:46:27,569

were passionate right yeah I have to

1167

00:46:30,370 --> 00:46:28,220

look for

1168

00:46:32,170 --> 00:46:30,380

people who express themselves in their

1169

00:46:34,180 --> 00:46:32,180

application I read through all of the

1170

00:46:35,829 --> 00:46:34,190

different fields that are that are in

1171

00:46:38,069 --> 00:46:35,839

the Internet application and then I look

1172

00:46:40,300 --> 00:46:38,079

at the resume I love people who are

1173

00:46:42,309 --> 00:46:40,310

excited about its space exploration

1174

00:46:47,940 --> 00:46:42,319

excited about robotics excited for an

1175

00:46:53,290 --> 00:46:50,440

something we hear a lot for our mentors

1176

00:46:55,480 --> 00:46:53,300

um I said before we you know see

1177

00:46:57,250 --> 00:46:55,490

hundreds and thousands of transcripts

1178

00:47:00,069 --> 00:46:57,260

that all you know look pretty similar

1179

00:47:01,540 --> 00:47:00,079

but what sets it apart is kind of like

1180

00:47:03,370 --> 00:47:01,550

what you're doing in your free time what

1181

00:47:05,170 --> 00:47:03,380

you know are you teaching yourself how

1182

00:47:08,079 --> 00:47:05,180

to code are you working on your pilot's

1183

00:47:10,030 --> 00:47:08,089

license things like that what what do

1184

00:47:11,470 --> 00:47:10,040

you have to offer NASA mm-hmm yeah we

1185

00:47:17,170 --> 00:47:11,480

like we like people who love to learn

1186

00:47:20,140 --> 00:47:17,180

yeah I make sense learning through life

1187

00:47:22,329 --> 00:47:20,150

yeah exactly so George why don't you

1188

00:47:25,030 --> 00:47:22,339

tell us your story exactly how did you

1189

00:47:26,859 --> 00:47:25,040

get to NASA yeah that play out I was

1190

00:47:28,870 --> 00:47:26,869

very very lucky I got into a very small

1191

00:47:31,180 --> 00:47:28,880

program that existed a few years ago

1192

00:47:33,910 --> 00:47:31,190

called the tribal universities and

1193

00:47:37,000 --> 00:47:33,920

tribal colleges and universities program

1194

00:47:38,920 --> 00:47:37,010

it's a program at NASA specific for

1195

00:47:40,630 --> 00:47:38,930

Native American students that's amazing

1196

00:47:43,390 --> 00:47:40,640

this is really amazing and is really a

1197

00:47:45,280 --> 00:47:43,400

life-changing experience once I got here

1198

00:47:47,589 --> 00:47:45,290

I spent the entire summer working with

1199

00:47:49,599 --> 00:47:47,599

my mentor on a robotics project and I

1200

00:47:51,760 --> 00:47:49,609

said this is my foot in the door I'm

1201  
00:47:52,750 --> 00:47:51,770  
gonna take advantage of it yeah and it

1202  
00:47:54,670 --> 00:47:52,760  
worked out really well for me because

1203  
00:47:57,550 --> 00:47:54,680  
the very next summer I was invited back

1204  
00:47:59,980 --> 00:47:57,560  
to to NASA to take part in the NASA

1205  
00:48:01,420 --> 00:47:59,990  
Academy for robotics and then the

1206  
00:48:03,579 --> 00:48:01,430  
following summer I got invited back

1207  
00:48:06,400 --> 00:48:03,589  
again for the NASA Academy for Space

1208  
00:48:08,260 --> 00:48:06,410  
Exploration a really great program that

1209  
00:48:10,809 --> 00:48:08,270  
was a type of leadership development

1210  
00:48:11,800 --> 00:48:10,819  
program and then immediately afterwards

1211  
00:48:14,559 --> 00:48:11,810  
I was lucky enough to get hired

1212  
00:48:17,530 --> 00:48:14,569  
full-time and now I live the dream

1213  
00:48:18,940 --> 00:48:17,540

everyday yeah I like something you told

1214

00:48:20,380 --> 00:48:18,950

me one time that when you were starting

1215

00:48:22,480 --> 00:48:20,390

that first program you were really

1216

00:48:24,220 --> 00:48:22,490

intimidated and you felt like oh they're

1217

00:48:27,099 --> 00:48:24,230

all gonna be geniuses and what if I'm

1218

00:48:28,780 --> 00:48:27,109

not yeah but is that is that what you

1219

00:48:30,460 --> 00:48:28,790

found when you got here that's not at

1220

00:48:31,510 --> 00:48:30,470

all that way in fact so I was very

1221

00:48:33,040 --> 00:48:31,520

worried I was very worried that

1222

00:48:34,690 --> 00:48:33,050

everybody here at NASA thought I was a

1223

00:48:38,890 --> 00:48:34,700

genius and there had very high

1224

00:48:41,770 --> 00:48:38,900

expectations of me and in actuality what

1225

00:48:43,210 --> 00:48:41,780

we expect of our interns is that they

1226

00:48:45,700 --> 00:48:43,220

that we would give them a problem they

1227

00:48:47,470 --> 00:48:45,710

need to learn develop new skills get new

1228

00:48:49,090 --> 00:48:47,480

knowledge and then solve that problem

1229

00:48:50,530 --> 00:48:49,100

they don't have to be an expert to being

1230

00:48:52,480 --> 00:48:50,540

an intern where we love it when they can

1231

00:48:54,250 --> 00:48:52,490

learn grow and then help us solve the

1232

00:48:55,570 --> 00:48:54,260

real problems that we have right all

1233

00:48:57,250 --> 00:48:55,580

right you're not supposed to already

1234

00:49:01,120 --> 00:48:57,260

know everything honey get here you're

1235

00:49:03,430 --> 00:49:01,130

here to learn right so we we've heard

1236

00:49:04,540 --> 00:49:03,440

from our two interns the visited that

1237

00:49:06,310 --> 00:49:04,550

they're contributing to the Artemis

1238

00:49:07,960 --> 00:49:06,320

program what about your interns what are

1239

00:49:10,840 --> 00:49:07,970

they working on and how is that

1240

00:49:12,340 --> 00:49:10,850

supporting the program yeah in fact I've

1241

00:49:15,180 --> 00:49:12,350

got four interns this summer and one of

1242

00:49:20,260 --> 00:49:15,190

them Ben is working on a cryogenic fuel

1243

00:49:23,260 --> 00:49:20,270

valve testbed this this is a really

1244

00:49:25,210 --> 00:49:23,270

exciting fuel right so these valves are

1245

00:49:27,460 --> 00:49:25,220

used for fueling up rockets that

1246

00:49:30,130 --> 00:49:27,470

eventually launch and go to space yeah

1247

00:49:32,410 --> 00:49:30,140

the problem is these valves they control

1248

00:49:34,480 --> 00:49:32,420

the flow of cryogenic fuel from fuel

1249

00:49:36,610 --> 00:49:34,490

depots to the Rockets before liftoff and

1250

00:49:39,310 --> 00:49:36,620

if any of these valves fail during that

1251  
00:49:41,050 --> 00:49:39,320  
process you got a big problem either the

1252  
00:49:42,850 --> 00:49:41,060  
fuel doesn't flow and then nobody gets

1253  
00:49:45,430 --> 00:49:42,860  
to go to space that day oh yeah or the

1254  
00:49:47,590 --> 00:49:45,440  
fuel flows without stopped into a

1255  
00:49:49,660 --> 00:49:47,600  
completely full rocket now there are

1256  
00:49:50,770 --> 00:49:49,670  
different dangers probably price so it's

1257  
00:49:52,750 --> 00:49:50,780  
really important to understand the

1258  
00:49:54,970 --> 00:49:52,760  
health state of these systems and Ben

1259  
00:49:56,770 --> 00:49:54,980  
has helped me to do that carry out

1260  
00:49:58,690 --> 00:49:56,780  
experiments and now we're developing

1261  
00:50:00,490 --> 00:49:58,700  
algorithms that can help us better

1262  
00:50:03,340 --> 00:50:00,500  
understand when these systems may fail

1263  
00:50:05,110 --> 00:50:03,350

in the future pretty important against

1264

00:50:06,760 --> 00:50:05,120

no this is one of the many things that

1265

00:50:08,470 --> 00:50:06,770

I'm like oh yeah I never thought of

1266

00:50:11,800 --> 00:50:08,480

ahead but obviously someone has to fuel

1267

00:50:13,630 --> 00:50:11,810

up the rocket yeah gotta have a visors

1268

00:50:15,400 --> 00:50:13,640

gonna stop fueling up the rocket at the

1269

00:50:17,710 --> 00:50:15,410

right set and these amazing yeah these

1270

00:50:20,590 --> 00:50:17,720

are really important even for the future

1271

00:50:23,470 --> 00:50:20,600

of the agency for things like the lunar

1272

00:50:25,570 --> 00:50:23,480

gateway and for possible lunar colonies

1273

00:50:30,250 --> 00:50:25,580

because in each case we'll have to fuel

1274

00:50:31,570 --> 00:50:30,260

up rockets for propulsion interesting I

1275

00:50:33,840 --> 00:50:31,580

have some questions that you might be

1276

00:50:40,210 --> 00:50:33,850

able to answer I returned from the chat

1277

00:50:42,820 --> 00:50:40,220

the coconut milk okay to not have any

1278

00:50:44,380 --> 00:50:42,830

outside experience for the internship at

1279

00:50:47,020 --> 00:50:44,390

like as in I'm looking to start building

1280

00:50:50,800 --> 00:50:47,030

experience at NASA would that work out

1281

00:50:54,160 --> 00:50:50,810

yeah well I think that if you can seek

1282

00:50:55,359 --> 00:50:54,170

out things like online courses make

1283

00:50:58,930 --> 00:50:55,369

learning a priority for you

1284

00:51:00,759 --> 00:50:58,940

and show that you've learned some skill

1285

00:51:02,980 --> 00:51:00,769

like I learned Java using this online

1286

00:51:04,329 --> 00:51:02,990

course well that's some experience that

1287

00:51:05,769 --> 00:51:04,339

you can put on your resume that you

1288

00:51:08,049 --> 00:51:05,779

don't have to wait for anybody else for

1289

00:51:09,999 --> 00:51:08,059

ya get started on that today yeah yeah

1290

00:51:12,759 --> 00:51:10,009

good tips to add on to that you know

1291

00:51:16,239 --> 00:51:12,769

students are always eligible to update

1292

00:51:17,890 --> 00:51:16,249

their application on nasa.gov so you

1293

00:51:19,569 --> 00:51:17,900

know just to go off of what George has

1294

00:51:21,190 --> 00:51:19,579

mentioned once you get that experience

1295

00:51:21,940 --> 00:51:21,200

in make sure to update your profile oh

1296

00:51:23,680 --> 00:51:21,950

that's really good

1297

00:51:25,900 --> 00:51:23,690

so once you send it in it's not gone for

1298

00:51:29,200 --> 00:51:25,910

good right going updated oh yeah

1299

00:51:31,359 --> 00:51:29,210

that's really smart George how was the

1300

00:51:37,329 --> 00:51:31,369

interview process when you were becoming

1301  
00:51:38,529 --> 00:51:37,339  
an intern oh yeah I was really I was

1302  
00:51:41,440 --> 00:51:38,539  
really nervous about the interview

1303  
00:51:45,099 --> 00:51:41,450  
process but in actuality everybody here

1304  
00:51:46,269 --> 00:51:45,109  
is really really nice my interview I was

1305  
00:51:49,359 --> 00:51:46,279  
asked a whole bunch of questions about

1306  
00:51:52,269 --> 00:51:49,369  
my experience about things that made me

1307  
00:51:53,739 --> 00:51:52,279  
excited about robotics at the time it

1308  
00:51:54,970 --> 00:51:53,749  
was really fun and the person that I

1309  
00:51:56,829 --> 00:51:54,980  
entered that interviewed me is actually

1310  
00:52:01,089 --> 00:51:56,839  
still really good friend of mine here at

1311  
00:52:04,059 --> 00:52:01,099  
the center oh nice yeah turned out okay

1312  
00:52:06,099 --> 00:52:04,069  
on your early projects as an intern did

1313  
00:52:08,710 --> 00:52:06,109

you work on robotics projects that

1314

00:52:10,890 --> 00:52:08,720

involved robotics design or our interns

1315

00:52:13,390 --> 00:52:10,900

usually heavily involved in programming

1316

00:52:16,150 --> 00:52:13,400

was it like varied a well-rounded

1317

00:52:18,460 --> 00:52:16,160

experience it can be very can be

1318

00:52:19,779 --> 00:52:18,470

incredibly varied in fact for me I had

1319

00:52:20,890 --> 00:52:19,789

to work on the hardware and when I was

1320

00:52:22,870 --> 00:52:20,900

done working on the hardware I had to

1321

00:52:24,489 --> 00:52:22,880

work on the software and in certain

1322

00:52:29,109 --> 00:52:24,499

cases both the hardware and the software

1323

00:52:30,549 --> 00:52:29,119

needed needed extra work it was is

1324

00:52:32,109 --> 00:52:30,559

pretty varied and some of the interns I

1325

00:52:34,120 --> 00:52:32,119

have now some of them are purely

1326  
00:52:36,190 --> 00:52:34,130  
programming some of them are doing

1327  
00:52:38,289 --> 00:52:36,200  
hardware someone's doing I ran

1328  
00:52:39,789 --> 00:52:38,299  
programming okay yeah I'll start two

1329  
00:52:42,069 --> 00:52:39,799  
things which is great because you want

1330  
00:52:43,239 --> 00:52:42,079  
to be exposed to as much as you can when

1331  
00:52:44,620 --> 00:52:43,249  
you're an intern you're not quite sure

1332  
00:52:47,170 --> 00:52:44,630  
maybe what you want to do for the rest

1333  
00:52:49,390 --> 00:52:47,180  
of your life yeah yeah when I develop

1334  
00:52:51,430 --> 00:52:49,400  
projects for interns I try and think of

1335  
00:52:53,440 --> 00:52:51,440  
things that allow them to grow

1336  
00:52:55,749 --> 00:52:53,450  
personally and also help us with our

1337  
00:52:57,729 --> 00:52:55,759  
projects yeah yeah that's a nice point

1338  
00:52:59,710 --> 00:52:57,739

but you're not just it's not a one-way

1339

00:53:03,069 --> 00:52:59,720

street yeah it's important yeah

1340

00:53:04,620 --> 00:53:03,079

absolutely um trying to decide what to

1341

00:53:08,370 --> 00:53:04,630

ask you next

1342

00:53:10,350 --> 00:53:08,380

a specific one from Miguel B 7:14 for

1343

00:53:12,660 --> 00:53:10,360

George I don't have extracurricular

1344

00:53:14,490 --> 00:53:12,670

projects extracurriculars or projects

1345

00:53:15,780 --> 00:53:14,500

under my belt but I do work full-time at

1346

00:53:18,210 --> 00:53:15,790

an aerospace machine shop

1347

00:53:19,910 --> 00:53:18,220

will I be passed over this may be for

1348

00:53:23,160 --> 00:53:19,920

you guys too from what you've seen you

1349

00:53:24,090 --> 00:53:23,170

know yeah not at all in fact I'd love to

1350

00:53:26,190 --> 00:53:24,100

see some of the things that you've

1351

00:53:28,680 --> 00:53:26,200

produced there you know definitely

1352

00:53:32,130 --> 00:53:28,690

highlight the all the skills that you've

1353

00:53:33,240 --> 00:53:32,140

gained what in employment and even some

1354

00:53:36,720 --> 00:53:33,250

of the responsibilities that you've

1355

00:53:38,220 --> 00:53:36,730

taken on as a full-time employee that's

1356

00:53:43,050 --> 00:53:38,230

those are all great things to have as an

1357

00:53:44,790 --> 00:53:43,060

intern right yeah you know in that

1358

00:53:45,990 --> 00:53:44,800

personal statement section I think that

1359

00:53:47,790 --> 00:53:46,000

would also be a great opportunity for

1360

00:53:48,990 --> 00:53:47,800

the student to just highlight you know

1361

00:53:51,150 --> 00:53:49,000

what they learned from this experience

1362

00:53:53,160 --> 00:53:51,160

so um again it's their opportunity to

1363

00:53:55,440 --> 00:53:53,170

kind of show the mentor you know what

1364

00:53:57,420 --> 00:53:55,450

type of skills they've learned and also

1365

00:54:00,450 --> 00:53:57,430

what their potential is this whole yeah

1366

00:54:01,890 --> 00:54:00,460

yeah this is great this as usual there's

1367

00:54:05,100 --> 00:54:01,900

so much good stuff to talk about we're

1368

00:54:06,600 --> 00:54:05,110

running out of time I'm gonna give you

1369

00:54:08,900 --> 00:54:06,610

one more question or if you have any

1370

00:54:12,420 --> 00:54:08,910

final thoughts you'd want to share for

1371

00:54:14,340 --> 00:54:12,430

potential interns yeah I think that it's

1372

00:54:16,650 --> 00:54:14,350

really important to first of all apply

1373

00:54:18,090 --> 00:54:16,660

there's lots of there's lots of

1374

00:54:19,800 --> 00:54:18,100

opportunities here but you're not gonna

1375

00:54:22,230 --> 00:54:19,810

get any of them until you apply yeah

1376

00:54:24,420 --> 00:54:22,240

I'll be genuine on your resume tell us

1377

00:54:27,570 --> 00:54:24,430

why you love NASA and get ready for an

1378

00:54:30,450 --> 00:54:27,580

exciting summer oh that that's true I

1379

00:54:33,600 --> 00:54:30,460

don't doubt that a bit all right

1380

00:54:35,340 --> 00:54:33,610

well we're running out of time so I

1381

00:54:36,780 --> 00:54:35,350

don't I don't want to forget to get in

1382

00:54:39,660 --> 00:54:36,790

some of the information you have to

1383

00:54:41,070 --> 00:54:39,670

share with people um well we know one

1384

00:54:43,890 --> 00:54:41,080

source of information if all of this has

1385

00:54:46,680 --> 00:54:43,900

gotten you excited to apply go to intern

1386

00:54:48,840 --> 00:54:46,690

NASA gov to learn about how the process

1387

00:54:50,610 --> 00:54:48,850

works deadlines potential projects

1388

00:54:53,250 --> 00:54:50,620

requirements everything you need to

1389

00:54:54,600 --> 00:54:53,260

apply but able has some other resources

1390

00:54:56,280 --> 00:54:54,610

where people can learn about the stories

1391

00:54:58,170 --> 00:54:56,290

of interns and different kinds of

1392

00:55:00,060 --> 00:54:58,180

opportunities right right yeah so

1393

00:55:02,280 --> 00:55:00,070

there's three ways the first is that we

1394

00:55:03,510 --> 00:55:02,290

have interest stories and blogs so if

1395

00:55:05,760 --> 00:55:03,520

you want to learn more about the intern

1396

00:55:08,010 --> 00:55:05,770

experience from the intern perspective

1397

00:55:10,290 --> 00:55:08,020

and most of these blogs are written you

1398

00:55:14,220 --> 00:55:10,300

know from the interns themselves visit

1399

00:55:15,690 --> 00:55:14,230

blogs message gov slash insurance also

1400

00:55:17,250 --> 00:55:15,700

we have our social media platforms as I

1401  
00:55:18,570 --> 00:55:17,260  
mentioned so we're on Facebook Twitter

1402  
00:55:20,640 --> 00:55:18,580  
and Instagram

1403  
00:55:22,770 --> 00:55:20,650  
on Facebook and Twitter we use the

1404  
00:55:25,650 --> 00:55:22,780  
handle NASA insurance and the nominator

1405  
00:55:27,690 --> 00:55:25,660  
gram for at NASA internships mm-hmm the

1406  
00:55:30,030 --> 00:55:27,700  
last thing is that nowadays on social

1407  
00:55:32,130 --> 00:55:30,040  
media you can follow hashtags so I

1408  
00:55:34,230 --> 00:55:32,140  
encourage everyone to on any of those

1409  
00:55:36,000 --> 00:55:34,240  
social media platforms to search for our

1410  
00:55:37,920 --> 00:55:36,010  
hashtag NASA insurance and then you'll

1411  
00:55:40,940 --> 00:55:37,930  
see a lot of the stuff that NASA post

1412  
00:55:43,530 --> 00:55:40,950  
but also from the Internet

1413  
00:55:47,130 --> 00:55:43,540

the insurance specifically so you'll see

1414

00:55:48,780 --> 00:55:47,140

some of their posts as well yeah and

1415

00:55:51,030 --> 00:55:48,790

especially today because it's national

1416

00:55:53,100 --> 00:55:51,040

intern day though all kinds of posts

1417

00:55:54,630 --> 00:55:53,110

were all over social media so today's a

1418

00:55:56,700 --> 00:55:54,640

good day to check it out yeah absolutely

1419

00:55:57,810 --> 00:55:56,710

and I'm sure after listening to

1420

00:56:00,120 --> 00:55:57,820

everybody today that those are really

1421

00:56:01,310 --> 00:56:00,130

genuinely interesting stories because

1422

00:56:03,540 --> 00:56:01,320

our interns are doing real research

1423

00:56:05,910 --> 00:56:03,550

that's pushing forward all of our

1424

00:56:08,670 --> 00:56:05,920

missions so I will check it out for a

1425

00:56:10,620 --> 00:56:08,680

national intern today so we're almost

1426

00:56:13,350 --> 00:56:10,630

out of time but I'm gonna throw a few

1427

00:56:17,930 --> 00:56:13,360

more questions in just to round out the

1428

00:56:19,550 --> 00:56:17,940

day can interns become astronauts yes I

1429

00:56:22,620 --> 00:56:19,560

hope so

1430

00:56:27,720 --> 00:56:22,630

guys the limit I think is there a max

1431

00:56:29,310 --> 00:56:27,730

age for new NASA interns no yeah they're

1432

00:56:31,410 --> 00:56:29,320

currently in school enrolled in school

1433

00:56:33,090 --> 00:56:31,420

so I could go back to school and then I

1434

00:56:38,100 --> 00:56:33,100

could come be an intern with George yes

1435

00:56:40,050 --> 00:56:38,110

yes if you take so if he accepts me do

1436

00:56:41,400 --> 00:56:40,060

you know then the amount or the number

1437

00:56:43,860 --> 00:56:41,410

of high schoolers compared with college

1438

00:56:45,780 --> 00:56:43,870

students does it tend to be college more

1439

00:56:48,150 --> 00:56:45,790

yeah it's it's definitely mostly

1440

00:56:50,010 --> 00:56:48,160

undergrad then the second largest group

1441

00:56:51,990 --> 00:56:50,020

is probably our graduate students and

1442

00:56:55,080 --> 00:56:52,000

then with a few high schoolers here and

1443

00:57:02,850 --> 00:56:55,090

there here's my last question of the day

1444

00:57:03,750 --> 00:57:02,860

from little schedule can I be 92 and

1445

00:57:08,220 --> 00:57:03,760

still a fly

1446

00:57:10,980 --> 00:57:08,230

sure yes yes no one will stop you I'm

1447

00:57:14,010 --> 00:57:10,990

sure you have many skills to bring all

1448

00:57:14,340 --> 00:57:14,020

right any final words of advice go for

1449

00:57:20,280 --> 00:57:14,350

it

1450

00:57:21,840 --> 00:57:20,290

begins all right well this has been

1451

00:57:23,400 --> 00:57:21,850

really inspirational what and I hope

1452

00:57:26,190 --> 00:57:23,410

we're gonna get lots of new applications

1453

00:57:27,810 --> 00:57:26,200

because we need everybody's help all

1454

00:57:29,580 --> 00:57:27,820

right excellent well that is all the

1455

00:57:30,790 --> 00:57:29,590

time we have for today but a huge thanks

1456

00:57:32,740 --> 00:57:30,800

to you guys our guests

1457

00:57:35,020 --> 00:57:32,750

and everyone that joined us in the chat