



# Episode 14: The Kids of Summer

September 2019

@NASAKennedy  
#NASARocketRanch

New episodes every month!

1  
00:00:08,990 --> 00:02:51,150

[Music]

2  
00:12:07,230 --> 00:09:14,430

you

3  
00:12:12,730 --> 00:12:10,480

so we now have fast forwarded about what

4  
00:12:14,260 --> 00:12:12,740

has it been nine ten weeks so we're back

5  
00:12:16,240 --> 00:12:14,270

again it's the end of summer

6  
00:12:18,370 --> 00:12:16,250

Peter amber thanks for joining me thanks

7  
00:12:20,080 --> 00:12:18,380

for having us Ross yeah so let me just

8  
00:12:23,890 --> 00:12:20,090

kind of open it up to both of you like

9  
00:12:26,620 --> 00:12:23,900

give me like your general impression of

10  
00:12:28,810 --> 00:12:26,630

the internship so thinking back ten

11  
00:12:30,310 --> 00:12:28,820

weeks ago to today like how has it lined

12  
00:12:31,990 --> 00:12:30,320

up with your expectations how do you

13  
00:12:36,430 --> 00:12:32,000

feel about it just anything and

14

00:12:38,170 --> 00:12:36,440  
everything so for me I think that it

15

00:12:40,210 --> 00:12:38,180  
really exceeded my expectations

16

00:12:42,160 --> 00:12:40,220  
a lot of times internships for

17

00:12:44,830 --> 00:12:42,170  
undergraduate students you don't get a

18

00:12:49,120 --> 00:12:44,840  
lot of opportunity to do hands-on or

19

00:12:50,470 --> 00:12:49,130  
meaningful or real-life projects and I

20

00:12:53,020 --> 00:12:50,480  
got the opportunity to do that the

21

00:12:55,990 --> 00:12:53,030  
entire summer and it was amazing so

22

00:12:57,040 --> 00:12:56,000  
working on actual like nasa development

23

00:12:58,960 --> 00:12:57,050  
projects yes

24

00:13:00,700 --> 00:12:58,970  
as a graduate undergraduate student

25

00:13:05,560 --> 00:13:00,710  
exactly pretty cool it's not really all

26

00:13:06,670 --> 00:13:05,570

that common so outside of us so Peter

27

00:13:08,920 --> 00:13:06,680

give me your take how's the summer been

28

00:13:10,690 --> 00:13:08,930

yeah I would kind of just kind of

29

00:13:12,640 --> 00:13:10,700

piggyback on that yeah it was really

30

00:13:13,510 --> 00:13:12,650

cool to be able to meet a lot of think

31

00:13:15,760 --> 00:13:13,520

that was my favorite part was like

32

00:13:17,140 --> 00:13:15,770

meeting a lot of the full-time you know

33

00:13:21,850 --> 00:13:17,150

scientists engineers and technicians

34

00:13:23,950 --> 00:13:21,860

that was really cool and yeah yeah for

35

00:13:26,230 --> 00:13:23,960

me yeah that was my favorite part and I

36

00:13:29,020 --> 00:13:26,240

exceed I kind of expected it to be a lot

37

00:13:30,970 --> 00:13:29,030

of fun but I didn't really know how real

38

00:13:33,400 --> 00:13:30,980

it would be yeah it was it definitely

39

00:13:35,680 --> 00:13:33,410

exceeded my expectations yeah so what's

40

00:13:37,810 --> 00:13:35,690

that like getting to meet the people who

41

00:13:39,430 --> 00:13:37,820

this is their day job like how's that

42

00:13:41,560 --> 00:13:39,440

experience like are they appreciative

43

00:13:43,750 --> 00:13:41,570

are they engaging like how would you

44

00:13:47,560 --> 00:13:43,760

kind of rate the people around you in in

45

00:13:50,860 --> 00:13:47,570

the in this world in my experience I say

46

00:13:52,360 --> 00:13:50,870

that they're all very engaging I think

47

00:13:54,460 --> 00:13:52,370

where I work in swap works

48

00:13:56,440 --> 00:13:54,470

everybody's there's a really fast-paced

49

00:13:57,850 --> 00:13:56,450

and everybody's moving and working and

50

00:13:59,680 --> 00:13:57,860

you know there's always something to do

51  
00:14:02,200 --> 00:13:59,690  
and I really appreciate that and they're

52  
00:14:03,490 --> 00:14:02,210  
always willing to bring the interns and

53  
00:14:06,220 --> 00:14:03,500  
to help even if it's something small

54  
00:14:08,080 --> 00:14:06,230  
like help us move this so we can move

55  
00:14:10,480 --> 00:14:08,090  
something else in this place all the way

56  
00:14:12,370 --> 00:14:10,490  
down to you know can you help me you

57  
00:14:14,470 --> 00:14:12,380  
know brainstorm key helped me design

58  
00:14:16,960 --> 00:14:14,480  
through throw some things into CAD you

59  
00:14:20,329 --> 00:14:16,970  
know I really appreciate that yeah I

60  
00:14:22,280 --> 00:14:20,339  
think that it comes might come from them

61  
00:14:24,170 --> 00:14:22,290  
maybe being in our shoes at one point so

62  
00:14:26,389 --> 00:14:24,180  
they can can't they see like hey how

63  
00:14:29,030 --> 00:14:26,399

we're feeling you know we might not know

64

00:14:30,920 --> 00:14:29,040

what to do sometimes but yeah they were

65

00:14:33,650 --> 00:14:30,930

always kind of willing to help and just

66

00:14:36,170 --> 00:14:33,660

hear us out which I was I was a little

67

00:14:38,299 --> 00:14:36,180

thrown off by but very like very

68

00:14:39,559 --> 00:14:38,309

appreciative of yeah good that was

69

00:14:41,809 --> 00:14:39,569

awesome Peter the most important

70

00:14:43,249 --> 00:14:41,819

question you talked about when we were

71

00:14:46,100 --> 00:14:43,259

here last time about being an Eagle

72

00:14:47,860 --> 00:14:46,110

Scout that pay off the summer like were

73

00:14:51,110 --> 00:14:47,870

you were you prepared were you ready I

74

00:14:54,590 --> 00:14:51,120

felt fairly prepared um definitely at

75

00:14:56,179 --> 00:14:54,600

times I was not prepared I had got

76

00:14:57,889 --> 00:14:56,189

thrown into a position where I had to

77

00:14:59,629 --> 00:14:57,899

write a little bit of software and I

78

00:15:02,480 --> 00:14:59,639

hasn't hadn't really done a whole lot of

79

00:15:04,040 --> 00:15:02,490

that but I had to work with a software

80

00:15:05,749 --> 00:15:04,050

engineer which was actually really cool

81

00:15:10,329 --> 00:15:05,759

and I was not really prepared for that

82

00:15:12,970 --> 00:15:10,339

but yeah definitely the Boy Scouts

83

00:15:16,369 --> 00:15:12,980

definitely that experience definitely

84

00:15:17,780 --> 00:15:16,379

helped out here yeah so you actually

85

00:15:20,030 --> 00:15:17,790

kind of got tossed into an

86

00:15:22,879 --> 00:15:20,040

interdisciplinary role where you were

87

00:15:25,489 --> 00:15:22,889

doing multiple things yeah yep so yeah I

88

00:15:27,559 --> 00:15:25,499

got to work with I got to work with some

89

00:15:29,509 --> 00:15:27,569

mechanical Hardware some electrical

90

00:15:31,850 --> 00:15:29,519

hardware and yeah some software at all

91

00:15:33,980 --> 00:15:31,860

at the same time which is I mean yeah it

92

00:15:36,439 --> 00:15:33,990

was in swampers to where amber was and

93

00:15:37,730 --> 00:15:36,449

it's a little fast-paced but that's kind

94

00:15:40,819 --> 00:15:37,740

of think the way it should be we should

95

00:15:42,860 --> 00:15:40,829

kind of be kept busy and you know honor

96

00:15:44,689 --> 00:15:42,870

you know honor toe is all the time yeah

97

00:15:46,009 --> 00:15:44,699

yeah I hope people are hearing that when

98

00:15:47,900 --> 00:15:46,019

we say busy we don't mean things like

99

00:15:50,600 --> 00:15:47,910

getting coffee or running errands just

100

00:15:54,799 --> 00:15:50,610

like writing software and doing CAD so

101

00:16:01,429 --> 00:15:54,809

it's a we pride ourselves on on getting

102

00:16:03,559 --> 00:16:01,439

everything we can from you and amber I

103

00:16:05,299 --> 00:16:03,569

know you talked about thinking that your

104

00:16:06,559 --> 00:16:05,309

experience working on some robotic

105

00:16:08,749 --> 00:16:06,569

systems would come in handy this summer

106

00:16:09,860 --> 00:16:08,759

were you able to put those skills in

107

00:16:11,329 --> 00:16:09,870

that experience to practice oh

108

00:16:13,819 --> 00:16:11,339

absolutely

109

00:16:15,650 --> 00:16:13,829

a lot of the work that I did and in

110

00:16:17,509 --> 00:16:15,660

school with the project team that I

111

00:16:18,860 --> 00:16:17,519

worked on is all very similar to allow

112

00:16:21,350 --> 00:16:18,870

the works I did here swamp works

113

00:16:23,269 --> 00:16:21,360

especially because they're both for

114

00:16:26,329 --> 00:16:23,279

robotic Rovers which is really cool and

115

00:16:32,809 --> 00:16:26,339

a lot of the cattle I learned came in

116

00:16:34,130 --> 00:16:32,819

really really handy so kind of sum up

117

00:16:36,019 --> 00:16:34,140

for me for both of you

118

00:16:38,060 --> 00:16:36,029

what did you accomplish this summer like

119

00:16:39,500 --> 00:16:38,070

do you have something that you you

120

00:16:41,210 --> 00:16:39,510

finished or you can look back and say

121

00:16:44,300 --> 00:16:41,220

like I did that like that happened

122

00:16:47,060 --> 00:16:44,310

because of me being here so for me we

123

00:16:49,130 --> 00:16:47,070

were working on this co2 freezer project

124

00:16:52,400 --> 00:16:49,140

to try to freeze carbon dioxide out of

125

00:16:54,319 --> 00:16:52,410

Martian atmosphere and I was expected

126

00:16:55,759 --> 00:16:54,329

there the planets have the system kind

127

00:16:57,980 --> 00:16:55,769

of already built and then just test it

128

00:17:00,079 --> 00:16:57,990

but you know things kind of are a little

129

00:17:02,210 --> 00:17:00,089

slow here sometimes which can happen and

130

00:17:04,579 --> 00:17:02,220

it wasn't actually finished built built

131

00:17:06,380 --> 00:17:04,589

so we were kind of working on bidding

132

00:17:08,120 --> 00:17:06,390

getting it all put together and then

133

00:17:10,490 --> 00:17:08,130

yeah we did run a couple tests and yeah

134

00:17:12,079 --> 00:17:10,500

we proved in turns produced an abstract

135

00:17:13,760 --> 00:17:12,089

and that was kind of our deliverable but

136

00:17:15,559 --> 00:17:13,770

yeah we were doing a little hands-on

137

00:17:17,480 --> 00:17:15,569

things here and there so that was kind

138

00:17:19,610 --> 00:17:17,490

of what we brought to the table I feel

139

00:17:23,090 --> 00:17:19,620

like most of the interns pretty much did

140

00:17:25,069 --> 00:17:23,100

that kind of thing I think yeah so the

141

00:17:27,740 --> 00:17:25,079

project that I did was to create

142

00:17:30,919 --> 00:17:27,750

hardware for a reduced gravity flight

143

00:17:34,549 --> 00:17:30,929

and we did it and the timetable for that

144

00:17:38,419 --> 00:17:34,559

was very very stringent honestly it was

145

00:17:39,799 --> 00:17:38,429

so gratifying once we finished it and we

146

00:17:42,470 --> 00:17:39,809

got it done on time and it worked and

147

00:17:44,720 --> 00:17:42,480

everything and the flight for that was

148

00:17:46,250 --> 00:17:44,730

supposed to take place about two or

149

00:17:51,409 --> 00:17:46,260

three weeks ago but I got pushed back to

150

00:17:52,640 --> 00:17:51,419

November but I finish it on time hey

151  
00:17:53,690 --> 00:17:52,650  
listen that's I mean that's really all

152  
00:17:55,130 --> 00:17:53,700  
you can do right you got to do your

153  
00:17:58,669 --> 00:17:55,140  
piece and make sure it's done well and

154  
00:18:02,000 --> 00:17:58,679  
done on time so tell me about your

155  
00:18:03,620 --> 00:18:02,010  
perspective on this internship and kind

156  
00:18:05,539 --> 00:18:03,630  
of the real-world experience versus

157  
00:18:07,909 --> 00:18:05,549  
school like does it change the way that

158  
00:18:09,890 --> 00:18:07,919  
you view school does it change kind of

159  
00:18:13,520 --> 00:18:09,900  
your focus going back to school what's

160  
00:18:16,250 --> 00:18:13,530  
that like I think that going back to

161  
00:18:18,490 --> 00:18:16,260  
school since this is my last year and

162  
00:18:21,770 --> 00:18:18,500  
I'm going to start applying you know for

163  
00:18:25,400 --> 00:18:21,780

full-time jobs it's helped me a lot with

164

00:18:27,560 --> 00:18:25,410

my focus on what I want out of you know

165

00:18:31,039 --> 00:18:27,570

the next year the next two years of my

166

00:18:35,210 --> 00:18:31,049

life and where I want to be once I do

167

00:18:37,100 --> 00:18:35,220

step into a real career position I think

168

00:18:39,460 --> 00:18:37,110

before this internship a lot of what I

169

00:18:42,280 --> 00:18:39,470

did in school was obviously focused on

170

00:18:44,870 --> 00:18:42,290

coursework whereas this was more of a

171

00:18:46,730 --> 00:18:44,880

hands-on real-world experience so I now

172

00:18:47,590 --> 00:18:46,740

have like the comparison which is

173

00:18:51,340 --> 00:18:47,600

something I didn't have

174

00:18:52,240 --> 00:18:51,350

and school felt very definite it felt

175

00:18:53,890 --> 00:18:52,250

like this is something I'm gonna be

176

00:18:55,720 --> 00:18:53,900

doing it forever mainly because I have

177

00:18:58,360 --> 00:18:55,730

been doing it for all of my interesting

178

00:18:59,470 --> 00:18:58,370

yeah yeah so so what's that comparison

179

00:19:02,230 --> 00:18:59,480

like you've said that like you're kind

180

00:19:04,120 --> 00:19:02,240

of have those to compare now so how do

181

00:19:07,540 --> 00:19:04,130

you view each like and how do they work

182

00:19:10,300 --> 00:19:07,550

together I think that a lot of what I've

183

00:19:13,630 --> 00:19:10,310

learned in school has helped me pick up

184

00:19:16,540 --> 00:19:13,640

tools to apply to you know a full-time

185

00:19:17,530 --> 00:19:16,550

position and it's actually a lot easier

186

00:19:19,570 --> 00:19:17,540

than I initially thought

187

00:19:23,980 --> 00:19:19,580

so being able to apply what I've learned

188

00:19:25,750 --> 00:19:23,990

in school here was fairly easy but the

189

00:19:26,350 --> 00:19:25,760

other way around it always seems really

190

00:19:28,180 --> 00:19:26,360

hard

191

00:19:31,780 --> 00:19:28,190

mainly because before I didn't have that

192

00:19:33,670 --> 00:19:31,790

I didn't have that to compare to yeah

193

00:19:35,110 --> 00:19:33,680

that make sense yeah make sense so let

194

00:19:36,190 --> 00:19:35,120

me pry a little bit you kind of said you

195

00:19:38,440 --> 00:19:36,200

now have a picture for the next couple

196

00:19:41,140 --> 00:19:38,450

years for you so what is the next couple

197

00:19:42,820 --> 00:19:41,150

years hold for you what's the plan so my

198

00:19:45,550 --> 00:19:42,830

personal plan for the next couple of

199

00:19:49,000 --> 00:19:45,560

years if I can't I'd like to work at

200

00:19:51,520 --> 00:19:49,010

NASA but if I can't work at NASA or you

201

00:19:54,160 --> 00:19:51,530

know if it's just kind of the process is

202

00:19:58,860 --> 00:19:54,170

really long and it's kind of tedious if

203

00:20:02,560 --> 00:19:58,870

not I see myself in a full-time position

204

00:20:06,490 --> 00:20:02,570

possibly for an aerospace company if not

205

00:20:10,140 --> 00:20:06,500

for a marine company and I'd like to be

206

00:20:12,670 --> 00:20:10,150

working on my master's great and and I'm

207

00:20:14,200 --> 00:20:12,680

so NASA we're more than just the Kennedy

208

00:20:17,290 --> 00:20:14,210

Space Center we have 10 centers across

209

00:20:19,840 --> 00:20:17,300

the country so have you looked at where

210

00:20:22,180 --> 00:20:19,850

do your personal goals and your personal

211

00:20:23,530 --> 00:20:22,190

interests line up across the NASA

212

00:20:26,110 --> 00:20:23,540

centers because obviously there's a lot

213

00:20:29,710 --> 00:20:26,120

of work going on other than just swamp

214

00:20:34,210 --> 00:20:29,720

works yeah it's funny you asked that a

215

00:20:36,610 --> 00:20:34,220

lot of visitors from Johnson actually

216

00:20:38,080 --> 00:20:36,620

came and they visited our lab and they

217

00:20:40,690 --> 00:20:38,090

have lots of projects that they like to

218

00:20:42,880 --> 00:20:40,700

do in collaboration with swamp works so

219

00:20:44,110 --> 00:20:42,890

say if I weren't able to land a swamp

220

00:20:46,450 --> 00:20:44,120

works I think John's gonna be a good

221

00:20:52,360 --> 00:20:46,460

place they do lots of work with is are

222

00:20:53,560 --> 00:20:52,370

you as well and JPL cool yeah good spots

223

00:20:55,330 --> 00:20:53,570

for sure yeah there's no there's no

224

00:20:58,810 --> 00:20:55,340

wrong answer they're just curious your

225

00:21:00,790 --> 00:20:58,820

thoughts oh yeah I can get correct the

226

00:21:01,540 --> 00:21:00,800

whole school yeah tell me about it yeah

227

00:21:03,700 --> 00:21:01,550

I think

228

00:21:05,200 --> 00:21:03,710

like going like when you're in school

229

00:21:08,500 --> 00:21:05,210

you kind of have like a lot of things

230

00:21:10,000 --> 00:21:08,510

going on at once and I think when we're

231

00:21:12,100 --> 00:21:10,010

here we kind of get to be able to focus

232

00:21:14,080 --> 00:21:12,110

on you know maybe just one or two or

233

00:21:15,430 --> 00:21:14,090

three different things so I think be

234

00:21:17,740 --> 00:21:15,440

having an experience of being kind of

235

00:21:19,390 --> 00:21:17,750

like really stressed out over like a lot

236

00:21:21,400 --> 00:21:19,400

of different things going through that

237

00:21:23,980 --> 00:21:21,410

experience and getting through that then

238

00:21:25,510 --> 00:21:23,990

going to you know maybe one or two

239

00:21:27,580 --> 00:21:25,520

projects where you can kind of focus all

240

00:21:30,040 --> 00:21:27,590

your time on that I think that that's

241

00:21:31,750 --> 00:21:30,050

kind of how school has paid off for me

242

00:21:34,150 --> 00:21:31,760

and I think some of the other interns

243

00:21:37,990 --> 00:21:34,160

might agree with me there too yeah yeah

244

00:21:40,000 --> 00:21:38,000

um what's the next thing well so kind of

245

00:21:41,440 --> 00:21:40,010

thinking about the future Peter was the

246

00:21:44,290 --> 00:21:41,450

kind of the next question thinking about

247

00:21:47,590 --> 00:21:44,300

you like how does this experience kind

248

00:21:49,210 --> 00:21:47,600

of how does that orient your mind as far

249

00:21:50,800 --> 00:21:49,220

as things you're thinking about things

250

00:21:52,510 --> 00:21:50,810

you're looking at because working on

251

00:21:54,460 --> 00:21:52,520

Martian vehicles is not for everybody

252

00:21:56,320 --> 00:21:54,470

like we definitely know that

253

00:21:58,180 --> 00:21:56,330

so certainly like there's no requirement

254

00:21:59,290 --> 00:21:58,190

to do that with your career but just

255

00:22:01,660 --> 00:21:59,300

curious like what are you thinking about

256

00:22:04,000 --> 00:22:01,670

now yeah I think it's really cool how

257

00:22:05,530 --> 00:22:04,010

NASA works like there's a lot of pieces

258

00:22:07,810 --> 00:22:05,540

to like a big puzzle like you're saying

259

00:22:09,100 --> 00:22:07,820

over across different like ten different

260

00:22:10,120 --> 00:22:09,110

NASA centers they're all working on

261

00:22:12,940 --> 00:22:10,130

different things whether it's biology

262

00:22:14,590 --> 00:22:12,950

engineering or science whatever but I

263

00:22:17,560 --> 00:22:14,600

really like what's going on here at

264

00:22:20,440 --> 00:22:17,570

Kennedy with eius are you trying to make

265

00:22:21,970 --> 00:22:20,450

and develop technologies to create

266

00:22:24,340 --> 00:22:21,980

resources out at the Moon or Mars

267

00:22:26,710 --> 00:22:24,350

without having to bring it from Earth so

268

00:22:28,000 --> 00:22:26,720

I think that's really what I'm kind of

269

00:22:29,830 --> 00:22:28,010

interested in and that's kind of what's

270

00:22:31,510 --> 00:22:29,840

going on here at Kennedy and a little

271

00:22:33,280 --> 00:22:31,520

bit at Johnson and a little bit at Ames

272

00:22:35,680 --> 00:22:33,290

in California and a little bit of Glenn

273

00:22:37,450 --> 00:22:35,690

like it's happening yeah a little a

274

00:22:39,520 --> 00:22:37,460

little bit but that's kind of the main

275

00:22:41,170 --> 00:22:39,530

focus here is what I've kind of been

276

00:22:43,960 --> 00:22:41,180

seeing and yeah I would like to come

277

00:22:45,880 --> 00:22:43,970

back here if possible that's that would

278

00:22:48,010 --> 00:22:45,890

be kind of my dream and I'm gonna keep

279

00:22:50,140 --> 00:22:48,020

it flying for you know the nificent

280

00:22:52,630 --> 00:22:50,150

pathways yeah so that that's kind of

281

00:22:56,830 --> 00:22:52,640

what I'll be up to but I would like to

282

00:22:59,200 --> 00:22:56,840

go back home yeah for those that may not

283

00:23:01,360 --> 00:22:59,210

know NIF's is a term NASA intern

284

00:23:02,950 --> 00:23:01,370

fellowship and scholarship we that's

285

00:23:04,390 --> 00:23:02,960

kind of our blanket internship

286

00:23:07,240 --> 00:23:04,400

opportunities you can find those online

287

00:23:09,520 --> 00:23:07,250

and then you the pathways program is

288

00:23:11,290 --> 00:23:09,530

actually it's formerly called a co-op

289

00:23:12,580 --> 00:23:11,300

it's kind of long term internship you

290

00:23:14,690 --> 00:23:12,590

can find that more about that on

291

00:23:17,680 --> 00:23:14,700

usajobs.gov

292

00:23:20,359 --> 00:23:17,690

but getting back to our topic at hand

293

00:23:23,299 --> 00:23:20,369

you both kind of alluded to the idea

294

00:23:26,060 --> 00:23:23,309

that school feels harder than the

295

00:23:27,190 --> 00:23:26,070

internship is that it is that a fair

296

00:23:29,509 --> 00:23:27,200

assessment of what you both said

297

00:23:31,789 --> 00:23:29,519

absolutely I think so yeah I feel like

298

00:23:35,960 --> 00:23:31,799

in school um you don't really have a lot

299

00:23:37,460 --> 00:23:35,970

of time to prepare for problems that are

300

00:23:39,200 --> 00:23:37,470

a little bit challenging and can I get

301  
00:23:40,849 --> 00:23:39,210  
thrown and I mean it's kind of the same

302  
00:23:42,289 --> 00:23:40,859  
thing here too but you get a little more

303  
00:23:43,549 --> 00:23:42,299  
time ahead of time you know you're

304  
00:23:45,019 --> 00:23:43,559  
applying you're thinking about the

305  
00:23:46,639 --> 00:23:45,029  
project for a while and you're getting a

306  
00:23:49,909 --> 00:23:46,649  
little more prepared so yeah I

307  
00:23:52,279 --> 00:23:49,919  
definitely think that's the case for me

308  
00:23:55,639 --> 00:23:52,289  
if those like school kind of pulls you

309  
00:23:58,700 --> 00:23:55,649  
in lots of different directions and it's

310  
00:24:00,889 --> 00:23:58,710  
a lot more demanding and to me it just

311  
00:24:03,220 --> 00:24:00,899  
seems a bit more tedious maybe that's a

312  
00:24:06,289 --> 00:24:03,230  
better word it's a bit more tedious

313  
00:24:08,930 --> 00:24:06,299

whereas in a real world setting

314

00:24:12,680 --> 00:24:08,940

everything's a bit more fluid you know

315

00:24:14,509 --> 00:24:12,690

you work you do your job you complete

316

00:24:15,950 --> 00:24:14,519

your projects sometimes you don't

317

00:24:19,430 --> 00:24:15,960

sometimes they get moved sometimes they

318

00:24:22,580 --> 00:24:19,440

get cancelled that's you know that's

319

00:24:26,659 --> 00:24:22,590

that's like the Besta theme here but um

320

00:24:30,409 --> 00:24:26,669

it's a lot less it's a lot less tedious

321

00:24:32,960 --> 00:24:30,419

in real school yeah and I think you're

322

00:24:34,159 --> 00:24:32,970

both kind of hopefully people hear in

323

00:24:35,509 --> 00:24:34,169

your voice that it's a little bit hard

324

00:24:37,669 --> 00:24:35,519

to articulate which I think makes sense

325

00:24:41,359 --> 00:24:37,679

it's a very different thing to be in

326  
00:24:42,919 --> 00:24:41,369  
school versus here and obviously nobody

327  
00:24:44,989 --> 00:24:42,929  
here is gonna claim that everything we

328  
00:24:46,220 --> 00:24:44,999  
do is easy yeah but when you kind of

329  
00:24:47,690 --> 00:24:46,230  
like you've said you kind of break it

330  
00:24:49,369 --> 00:24:47,700  
down into your project your piece of the

331  
00:24:51,529 --> 00:24:49,379  
puzzle and then you get to focus on that

332  
00:24:53,359 --> 00:24:51,539  
which is really really great so I want

333  
00:24:55,190 --> 00:24:53,369  
to kind of open it up to you and ask you

334  
00:24:58,009 --> 00:24:55,200  
about like memorable experiences because

335  
00:24:59,479 --> 00:24:58,019  
obviously like we talked about like the

336  
00:25:02,299 --> 00:24:59,489  
day-to-day work about things that you've

337  
00:25:03,710 --> 00:25:02,309  
done but as you leave this place what

338  
00:25:05,210 --> 00:25:03,720

are the things that will stick out that

339

00:25:06,349 --> 00:25:05,220

you'll tell friends about that you'll

340

00:25:10,129 --> 00:25:06,359

remember for a long time what are those

341

00:25:13,129 --> 00:25:10,139

moments like I have three actually okay

342

00:25:14,570 --> 00:25:13,139

let's go quickly okay really I got to

343

00:25:16,489 --> 00:25:14,580

drive the robot which was the coolest

344

00:25:19,369 --> 00:25:16,499

thing ever which robot there's a bunch

345

00:25:20,299 --> 00:25:19,379

of robots razor razor that's right so if

346

00:25:22,909 --> 00:25:20,309

you're interested look it up

347

00:25:25,759 --> 00:25:22,919

Ras SOR it's a pretty cool robot and

348

00:25:27,379 --> 00:25:25,769

will be a lunar excavator someday we're

349

00:25:30,289 --> 00:25:27,389

hoping

350

00:25:33,229 --> 00:25:30,299

but I got to see two launches which were

351

00:25:35,629 --> 00:25:33,239

amazing and I finished my project on

352

00:25:36,680 --> 00:25:35,639

time so and this will be a question for

353

00:25:41,989 --> 00:25:36,690

both of you because you both got to see

354

00:25:43,430 --> 00:25:41,999

some launches how can you describe like

355

00:25:45,560 --> 00:25:43,440

the difference in watching a launch on

356

00:25:49,549 --> 00:25:45,570

TV versus being here in person like can

357

00:25:51,699 --> 00:25:49,559

you put words to that no it's more

358

00:25:54,889 --> 00:25:51,709

sensory like it's just so much better

359

00:25:57,379 --> 00:25:54,899

it's louder it's cooler you can see it

360

00:26:00,169 --> 00:25:57,389

all the way through right it's so bright

361

00:26:02,149 --> 00:26:00,179

it's a night launch there see at night

362

00:26:04,609 --> 00:26:02,159

launch and a morning lot or a daytime

363

00:26:06,739 --> 00:26:04,619

launch and they're like they're so cool

364

00:26:09,079 --> 00:26:06,749

yeah though the Falcon Heavy that was

365

00:26:10,909 --> 00:26:09,089

that night when it lit up it kind of

366

00:26:13,129 --> 00:26:10,919

turned the sky like it's like any Sun

367

00:26:14,239 --> 00:26:13,139

yeah it was it was really really crazy

368

00:26:16,969 --> 00:26:14,249

that was so cool

369

00:26:19,190 --> 00:26:16,979

and then the landings the lanes are very

370

00:26:21,560 --> 00:26:19,200

loud yeah yeah that was after they land

371

00:26:23,749 --> 00:26:21,570

it takes I don't know like your second

372

00:26:25,249 --> 00:26:23,759

or minute some second couple minutes and

373

00:26:27,049 --> 00:26:25,259

then the other sonic movement then

374

00:26:28,430 --> 00:26:27,059

that's really loud yeah I think my

375

00:26:31,699 --> 00:26:28,440

favorite part is kind of watching it up

376

00:26:38,269 --> 00:26:31,709

it curve as it gets like to like optimal

377

00:26:41,329 --> 00:26:38,279

height as opposed arcing over at some

378

00:26:43,279 --> 00:26:41,339

point yeah that's awesome so and

379

00:26:45,499 --> 00:26:43,289

congrats on getting a project on time

380

00:26:45,919 --> 00:26:45,509

amber that's a fantastic I'm glad to

381

00:26:47,509 --> 00:26:45,929

hear that

382

00:26:49,159 --> 00:26:47,519

alright so Peter how about you things

383

00:26:50,629 --> 00:26:49,169

that are memorable

384

00:26:52,759 --> 00:26:50,639

one of my favorite moments was it was

385

00:26:54,560 --> 00:26:52,769

just yesterday we were in the cryogenics

386

00:26:56,389 --> 00:26:54,570

test lab where we did a lot of work and

387

00:26:58,159 --> 00:26:56,399

yeah we were kind of playing with liquid

388

00:27:01,369 --> 00:26:58,169

nitrogen a little bit we say the term

389

00:27:03,079 --> 00:27:01,379

playing very easily safely everything is

390

00:27:06,049 --> 00:27:03,089

very safe yeah everything was under

391

00:27:08,919 --> 00:27:06,059

control yeah yeah we made some ice cream

392

00:27:10,909 --> 00:27:08,929

kind of like dippin dots we were kind of

393

00:27:12,709 --> 00:27:10,919

freezing some things and kind of

394

00:27:15,109 --> 00:27:12,719

breaking them a little and yeah that was

395

00:27:16,639 --> 00:27:15,119

a lot of fun um yeah it was just I

396

00:27:19,249 --> 00:27:16,649

really liked getting together with all

397

00:27:21,139 --> 00:27:19,259

the interns whenever we kind of get

398

00:27:22,489 --> 00:27:21,149

together for whether it be pictures or

399

00:27:24,109 --> 00:27:22,499

just doing kind of there was a couple

400

00:27:26,089 --> 00:27:24,119

team bonding things I really liked

401  
00:27:28,399 --> 00:27:26,099  
getting together like that kind of like

402  
00:27:31,610 --> 00:27:28,409  
in a class or you know a team yeah I

403  
00:27:33,680 --> 00:27:31,620  
love that so those were a couple of mine

404  
00:27:36,799 --> 00:27:33,690  
so last question for you does that kind

405  
00:27:38,659 --> 00:27:36,809  
of add to the experience just kind of

406  
00:27:41,060 --> 00:27:38,669  
like that almost like a camaraderie I'm

407  
00:27:43,370 --> 00:27:41,070  
among interns that you know that you all

408  
00:27:46,820 --> 00:27:43,380  
are here kind of doing the same thing at

409  
00:27:48,710 --> 00:27:46,830  
the same time oh absolutely I just

410  
00:27:52,430 --> 00:27:48,720  
celebrated a birthday and happy birthday

411  
00:27:54,500 --> 00:27:52,440  
thank you and so many interns came all

412  
00:27:56,120 --> 00:27:54,510  
the way to Orlando to celebrate with me

413  
00:27:57,830 --> 00:27:56,130

because that's where I was and some of

414

00:27:59,480 --> 00:27:57,840

them even drove back the same night some

415

00:28:02,720 --> 00:27:59,490

of them you know we all got hotel rooms

416

00:28:04,159 --> 00:28:02,730

I haven't done them very long and they

417

00:28:05,600 --> 00:28:04,169

were all willing to come and help me

418

00:28:06,740 --> 00:28:05,610

have a great time but I really

419

00:28:09,710 --> 00:28:06,750

appreciate that there's lots of

420

00:28:11,630 --> 00:28:09,720

camaraderie I mean all the interns yeah

421

00:28:13,159 --> 00:28:11,640

yeah that's my favorite part kind of

422

00:28:15,289 --> 00:28:13,169

feeling like you're part of something

423

00:28:17,210 --> 00:28:15,299

we're all here kind of for the same goal

424

00:28:18,649 --> 00:28:17,220

you know we're working to try to get the

425

00:28:20,210 --> 00:28:18,659

space and you know we have our own

426

00:28:22,519 --> 00:28:20,220

little roles here and there and they're

427

00:28:23,169 --> 00:28:22,529

all different you know but yeah that's

428

00:28:26,840 --> 00:28:23,179

the best part

429

00:28:28,760 --> 00:28:26,850

awesome well amber Peter best of luck to

430

00:28:30,889 --> 00:28:28,770

you both thank you for being here and

431

00:28:32,840 --> 00:28:30,899

look forward to seeing you again out

432

00:28:34,399 --> 00:28:32,850

there being successful someday hopefully

433

00:28:39,680 --> 00:28:34,409

as a co-worker here at the Kennedy Space

434

00:28:41,090 --> 00:28:39,690

Center thank you thank you very much I'm

435

00:28:43,220 --> 00:28:41,100

Joshua Santora and that's our show

436

00:28:45,620 --> 00:28:43,230

thanks for stopping by the rocket range

437

00:28:48,049 --> 00:28:45,630

and special thanks to our guests

438

00:28:49,909 --> 00:28:48,059

NASA interns amber George and Peter

439

00:28:54,169 --> 00:28:49,919

Henson to find out more about NASA

440

00:28:55,430 --> 00:28:54,179

internships visit intern nasa.gov to

441

00:28:57,260 --> 00:28:55,440

learn more about everything going on at

442

00:29:00,260 --> 00:28:57,270

the Kennedy Space Center go to nasa.gov

443

00:29:01,669 --> 00:29:00,270

slash Kennedy check out NASA's other

444

00:29:03,049 --> 00:29:01,679

podcasts to learn more about what's

445

00:29:07,010 --> 00:29:03,059

happening at all of our centers at

446

00:29:08,690 --> 00:29:07,020

nasa.gov slash podcasts a special shout

447

00:29:11,389 --> 00:29:08,700

out to our producer John Sackman

448

00:29:13,669 --> 00:29:11,399

our sound man Loren man 3 and our editor

449

00:29:15,769 --> 00:29:13,679

Michele stone and special thanks to

450

00:29:18,200 --> 00:29:15,779

Priscilla Gwen and Kathleen for setting

451

00:29:20,539 --> 00:29:18,210

things up for us and remember on the

452

00:29:21,010 --> 00:29:20,549

rocket ranch even the sky isn't the