



1  
00:00:06,559 --> 00:00:02,929  
and with the number one overall pick in

2  
00:00:09,740 --> 00:00:06,569  
the Kennedy Space Center NFL Draft NASA

3  
00:00:13,120 --> 00:00:09,750  
selects Jacksonville Jaguar quarterback

4  
00:00:17,200 --> 00:00:13,130  
and aerospace engineer Josh Dobbs

5  
00:00:19,790 --> 00:00:17,210  
[Applause]

6  
00:00:30,589 --> 00:00:19,800  
every chief engineer verify no

7  
00:00:33,650 --> 00:00:30,599  
constraints belong to nasa's internship

8  
00:00:36,680 --> 00:00:33,660  
program now has an NFL quarterback in

9  
00:00:38,330 --> 00:00:36,690  
its ranks josh dobbs of the jacksonville

10  
00:00:40,820 --> 00:00:38,340  
jaguars has a degree in aerospace

11  
00:00:43,189 --> 00:00:40,830  
engineering and thanks to the NFL

12  
00:00:46,400 --> 00:00:43,199  
players associations externship program

13  
00:00:48,830 --> 00:00:46,410

he is now working as an intern at the

14

00:00:51,290 --> 00:00:48,840

Kennedy Space Center in Florida this

15

00:00:53,210 --> 00:00:51,300

offseason Josh took a few minutes out of

16

00:00:56,830 --> 00:00:53,220

his hectic schedule to share his unique

17

00:00:59,600 --> 00:00:56,840

insights on NASA and life in the NFL

18

00:01:01,729 --> 00:00:59,610

please note this was recorded in studio

19

00:01:04,219 --> 00:01:01,739

prior to the current social distancing

20

00:01:06,530 --> 00:01:04,229

guidelines I'm here at Kennedy Space

21

00:01:08,240 --> 00:01:06,540

Center in the audio booth with joshua

22

00:01:10,190 --> 00:01:08,250

dobbs NFL quarterback for the

23

00:01:11,870 --> 00:01:10,200

Jacksonville Jaguars thank you so much

24

00:01:13,639 --> 00:01:11,880

for being here but glad to be here thank

25

00:01:15,889 --> 00:01:13,649

you for having me started playing

26  
00:01:17,630 --> 00:01:15,899  
football when you were 5 years old you

27  
00:01:19,880 --> 00:01:17,640  
played high school ball for the

28  
00:01:21,800 --> 00:01:19,890  
Alpharetta Raiders of Alpharetta Georgia

29  
00:01:23,150 --> 00:01:21,810  
went on to have a great career at the

30  
00:01:25,930 --> 00:01:23,160  
University of Tennessee where you were a

31  
00:01:29,059 --> 00:01:25,940  
starter for several winning seasons in

32  
00:01:30,410 --> 00:01:29,069  
2015-2016 won some bowl games you were

33  
00:01:33,589 --> 00:01:30,420  
drafted by the Pittsburgh Steelers in

34  
00:01:36,020 --> 00:01:33,599  
the fourth round of the 2017 NFL Draft

35  
00:01:37,100 --> 00:01:36,030  
after several seasons with the Steelers

36  
00:01:39,859 --> 00:01:37,110  
who were traded to the nearby

37  
00:01:42,620 --> 00:01:39,869  
Jacksonville Jaguars as a quarterback

38  
00:01:45,859 --> 00:01:42,630

for the team and what's so interesting

39

00:01:48,230 --> 00:01:45,869

to our audience is that currently you're

40

00:01:50,359 --> 00:01:48,240

doing an internship with the engineering

41

00:01:52,370 --> 00:01:50,369

department that right that is right at

42

00:01:54,859 --> 00:01:52,380

NASA's Kennedy Space Center and folks

43

00:01:58,460 --> 00:01:54,869

why is that because Josh busted out of

44

00:02:07,760 --> 00:01:58,470

four oh not in the 40 but of course I

45

00:02:10,669 --> 00:02:07,770

don't have it all very cool right but

46

00:02:13,790 --> 00:02:10,679

you had a four Oh in your grade point

47

00:02:15,380 --> 00:02:13,800

average and in the aerospace engineering

48

00:02:17,780 --> 00:02:15,390

major at UT is that right

49

00:02:20,120 --> 00:02:17,790

yes sir bring in the brain and the

50

00:02:21,620 --> 00:02:20,130

brains and the Brawn just love it well

51  
00:02:25,160 --> 00:02:21,630  
so tell me Josh well you're you're here

52  
00:02:27,890 --> 00:02:25,170  
doing this internship kind of helped me

53  
00:02:30,089 --> 00:02:27,900  
understand how you've been able to play

54  
00:02:32,910 --> 00:02:30,099  
football and

55  
00:02:35,550 --> 00:02:32,920  
keep up fascination Thanks it's been

56  
00:02:37,559 --> 00:02:35,560  
definitely a process when I was younger

57  
00:02:39,750 --> 00:02:37,569  
I tribute a lot of you know my set

58  
00:02:42,660 --> 00:02:39,760  
success and habits I created to my

59  
00:02:44,099 --> 00:02:42,670  
parents I grew up an only child so

60  
00:02:46,830 --> 00:02:44,109  
quickly at an early age they kind of

61  
00:02:48,509 --> 00:02:46,840  
taught me no1 obviously excel in the

62  
00:02:51,030 --> 00:02:48,519  
classroom that comes first but then they

63  
00:02:53,309 --> 00:02:51,040

also pushed me to doing different

64

00:02:55,289 --> 00:02:53,319

experiences participating different

65

00:02:57,449 --> 00:02:55,299

activities that would joy outside of

66

00:02:59,129 --> 00:02:57,459

school so they helped me figure out that

67

00:03:00,660 --> 00:02:59,139

I love football by placing me in just

68

00:03:03,110 --> 00:03:00,670

about every single sport you could place

69

00:03:05,580 --> 00:03:03,120

your kid in home when he was 5 years old

70

00:03:07,379 --> 00:03:05,590

so you know the different experience

71

00:03:09,300 --> 00:03:07,389

that I had growing up and being able to

72

00:03:11,399 --> 00:03:09,310

juggle football baseball basketball

73

00:03:14,159 --> 00:03:11,409

along with taking accelerated classes

74

00:03:17,849 --> 00:03:14,169

and then being in the band I was in

75

00:03:19,679 --> 00:03:17,859

karate I was in chorus I've learned I

76

00:03:25,259 --> 00:03:19,689

couldn't sing but I was in chorus yeah

77

00:03:27,360 --> 00:03:25,269

yeah I can't see course to find out to

78

00:03:29,879 --> 00:03:27,370

find out right so I did all of those and

79

00:03:31,050 --> 00:03:29,889

I kept up with shrim workload from

80

00:03:33,300 --> 00:03:31,060

elementary school middle school high

81

00:03:35,099 --> 00:03:33,310

school so as the stage grew and as

82

00:03:36,930 --> 00:03:35,109

things got more difficult to have its

83

00:03:38,789 --> 00:03:36,940

that created when I was younger but what

84

00:03:40,770 --> 00:03:38,799

I was able to fall back on when time

85

00:03:43,050 --> 00:03:40,780

management was key in college being able

86

00:03:44,759 --> 00:03:43,060

to juggle play has to see football at

87

00:03:46,649 --> 00:03:44,769

the quarterback position and also being

88

00:03:49,909 --> 00:03:46,659

an engineer definitely called for long

89

00:03:55,679 --> 00:03:53,670

SCC quarterback starting quarterback for

90

00:03:57,420 --> 00:03:55,689

the Tennessee Volunteers and at the same

91

00:04:01,409 --> 00:03:57,430

time in the aerospace engineering school

92

00:04:02,699 --> 00:04:01,419

like how did you do that well no I'll be

93

00:04:04,379 --> 00:04:02,709

afford to one say that I did it by

94

00:04:06,089 --> 00:04:04,389

myself because Tennessee gave us a great

95

00:04:08,360 --> 00:04:06,099

framework when we got to school with

96

00:04:11,099 --> 00:04:08,370

different study halls and giving us

97

00:04:13,409 --> 00:04:11,109

different tutors and mentors that are in

98

00:04:15,869 --> 00:04:13,419

our fields were able to learn and learn

99

00:04:18,749 --> 00:04:15,879

the lay of the land but also it took you

100

00:04:21,120 --> 00:04:18,759

know determination I think you know on a

101

00:04:24,899 --> 00:04:21,130

daily basis you're in class from 9:00

102

00:04:26,820 --> 00:04:24,909

until 2:00 then practice is from 2 then

103

00:04:30,060 --> 00:04:26,830

meetings are from 2:00 to 4:00 practice

104

00:04:31,980 --> 00:04:30,070

from 4 to 6 then you have post workout

105

00:04:33,839 --> 00:04:31,990

post film and then your study hall and

106

00:04:35,490 --> 00:04:33,849

inner to the library and then you wake

107

00:04:36,779 --> 00:04:35,500

up and repeat process the next day and

108

00:04:38,760 --> 00:04:36,789

you have to eat throughout the day so I

109

00:04:40,379 --> 00:04:38,770

think I close down the library just

110

00:04:41,799 --> 00:04:40,389

about every single day of my college

111

00:04:43,359 --> 00:04:41,809

career but

112

00:04:44,499 --> 00:04:43,369

again it was the habits I was able to

113

00:04:46,239 --> 00:04:44,509

form I was younger learning how to

114

00:04:47,769 --> 00:04:46,249

manage my time be productive be

115

00:04:49,419 --> 00:04:47,779

disciplined and understand when I came

116

00:04:50,889 --> 00:04:49,429

to college I came there for a reason I

117

00:04:52,449 --> 00:04:50,899

hey I want to play for what that is

118

00:04:54,669 --> 00:04:52,459

level but I also want to pursue an

119

00:04:57,129 --> 00:04:54,679

engineering degree that I know that I

120

00:04:58,719 --> 00:04:57,139

will enjoy I something that I'm very

121

00:05:00,339 --> 00:04:58,729

intrigued with I want to learn more I

122

00:05:01,569 --> 00:05:00,349

want to be an engineer it's being able

123

00:05:03,699 --> 00:05:01,579

to juggle two things I was extremely

124

00:05:05,219 --> 00:05:03,709

passionate about you know made it not

125

00:05:07,559 --> 00:05:05,229

suffering but made it very enjoyable

126

00:05:10,539 --> 00:05:07,569

fascinating people are going to be so

127

00:05:11,589 --> 00:05:10,549

amazed to hear that how you juggle all

128

00:05:13,659 --> 00:05:11,599

those things but you give credit to your

129

00:05:15,639 --> 00:05:13,669

parents who kind of helped you instill

130

00:05:18,669 --> 00:05:15,649

some good habits in you in a very young

131

00:05:21,339 --> 00:05:18,679

age which is pretty cool what are you

132

00:05:24,939 --> 00:05:21,349

gonna be doing here at KSC so thus far

133

00:05:28,569 --> 00:05:24,949

it's been pretty much a whirlwind of a

134

00:05:30,879 --> 00:05:28,579

week I started off and the kxi division

135

00:05:32,319 --> 00:05:30,889

where I was working instrumentation was

136

00:05:34,209 --> 00:05:32,329

swimming day you know shadowing them

137

00:05:36,219 --> 00:05:34,219

seeing you know they had hazardous gas

138

00:05:37,749 --> 00:05:36,229

detection system learning about the wind

139

00:05:39,909 --> 00:05:37,759

profile that they have for launch day

140

00:05:41,829 --> 00:05:39,919

I'm just learning about different the

141

00:05:43,389 --> 00:05:41,839

weather protection system on the mobile

142

00:05:44,529 --> 00:05:43,399

launcher so just seeing different things

143

00:05:46,659 --> 00:05:44,539

and understanding how the

144

00:05:48,339 --> 00:05:46,669

instrumentation works from an electrical

145

00:05:49,839 --> 00:05:48,349

point of view and then from there it's

146

00:05:51,999 --> 00:05:49,849

kind of been every single day it's been

147

00:05:54,219 --> 00:05:52,009

a different opportunity where I've gone

148

00:05:55,869 --> 00:05:54,229

from there to I've gone to flight

149

00:05:57,509 --> 00:05:55,879

accessories so seeing the different

150

00:06:00,219 --> 00:05:57,519

biblical is how they work how they

151  
00:06:02,469 --> 00:06:00,229  
secure the rocket to the mobile launcher

152  
00:06:03,699 --> 00:06:02,479  
to seeing different tested seeing

153  
00:06:05,709 --> 00:06:03,709  
different tests that they're performing

154  
00:06:07,209 --> 00:06:05,719  
on the instrumentation to then see

155  
00:06:09,159 --> 00:06:07,219  
learning about the core stage and how

156  
00:06:11,379 --> 00:06:09,169  
it's going through this green run

157  
00:06:13,389 --> 00:06:11,389  
testing and talking about SLS right

158  
00:06:15,040 --> 00:06:13,399  
generation world's most powerful rocket

159  
00:06:17,169 --> 00:06:15,050  
that we're gonna use to send people back

160  
00:06:18,669 --> 00:06:17,179  
to the moon and then tomorrow yeah so

161  
00:06:20,769 --> 00:06:18,679  
it's been a whirlwind I've learned about

162  
00:06:24,069 --> 00:06:20,779  
the SLS the whole space program the

163  
00:06:27,189 --> 00:06:24,079

Artemis project um Orion which goes on

164

00:06:29,229 --> 00:06:27,199

top of SLS mhm um so it's been a

165

00:06:32,019 --> 00:06:29,239

whirlwind of a week I've kind of seen I

166

00:06:33,579 --> 00:06:32,029

think all of KSC but I know the next

167

00:06:35,889 --> 00:06:33,589

couple of days I'll continue to see more

168

00:06:37,509 --> 00:06:35,899

and I'll continue to have my mind

169

00:06:39,069 --> 00:06:37,519

expanded by what's going on here and

170

00:06:40,929 --> 00:06:39,079

it's truly amazing to see the innovation

171

00:06:43,179 --> 00:06:40,939

that's going on on a daily basis

172

00:06:45,459 --> 00:06:43,189

absolutely and the space history that's

173

00:06:47,489 --> 00:06:45,469

here when you're told that like this is

174

00:06:49,749 --> 00:06:47,499

where the Rockets took off and and took

175

00:06:51,730 --> 00:06:49,759

Americans to the moon for the first time

176

00:06:54,220 --> 00:06:51,740

what's your sense of the history here

177

00:06:56,080 --> 00:06:54,230

that that's so humbling because I

178

00:06:58,450 --> 00:06:56,090

the I'm connecting with the history just

179

00:06:59,860 --> 00:06:58,460

because no just growing up being so

180

00:07:01,240 --> 00:06:59,870

interested engineering like the history

181

00:07:02,440 --> 00:07:01,250

is what you look up every single day

182

00:07:04,840 --> 00:07:02,450

like oh wow this is what we're doing

183

00:07:06,820 --> 00:07:04,850

this is where we've come from so then to

184

00:07:09,130 --> 00:07:06,830

be able to be here on the footstep of

185

00:07:10,870 --> 00:07:09,140

where it all happened where innovation

186

00:07:12,820 --> 00:07:10,880

happened where the science happened

187

00:07:14,560 --> 00:07:12,830

where the engineering happened and where

188

00:07:16,690 --> 00:07:14,570

the launchers actually took place to

189

00:07:18,130 --> 00:07:16,700

take the people first to space and then

190

00:07:19,300 --> 00:07:18,140

to the moon now to the International

191

00:07:22,270 --> 00:07:19,310

Space Station where they'll take place

192

00:07:24,820 --> 00:07:22,280

to go to Mars it's it's it's is it's

193

00:07:27,610 --> 00:07:24,830

kind of chills down your back honestly

194

00:07:30,580 --> 00:07:27,620

no driving in every single morning and

195

00:07:33,310 --> 00:07:30,590

just seeing cuz I'm at OS b1 so it's the

196

00:07:35,320 --> 00:07:33,320

one right next to the VAB right so drive

197

00:07:37,570 --> 00:07:35,330

Vehicle Assembly Building the iconic

198

00:07:39,340 --> 00:07:37,580

iconic building drive-in parking from

199

00:07:41,080 --> 00:07:39,350

that building every single day you know

200

00:07:43,120 --> 00:07:41,090

it really wakes you but when you get you

201  
00:07:44,290 --> 00:07:43,130  
get here like 7:00 a.m. but you get out

202  
00:07:46,150 --> 00:07:44,300  
the car you see the eyes like wow

203  
00:07:48,550 --> 00:07:46,160  
there's so many people have come before

204  
00:07:50,800 --> 00:07:48,560  
me that paved the way to what's going on

205  
00:07:52,630 --> 00:07:50,810  
here at NASA now so just know I'm not

206  
00:07:54,460 --> 00:07:52,640  
here from a long time but to be here and

207  
00:07:56,140 --> 00:07:54,470  
just get a glimpse and be able to touch

208  
00:07:57,610 --> 00:07:56,150  
you know what's going on here it's just

209  
00:08:00,520 --> 00:07:57,620  
truly amazing experience now you've only

210  
00:08:02,800 --> 00:08:00,530  
been here a short period of time and for

211  
00:08:05,050 --> 00:08:02,810  
those who if you've never met Josh Dobbs

212  
00:08:06,700 --> 00:08:05,060  
he comes across I just met him a few you

213  
00:08:09,490 --> 00:08:06,710

know minutes ago but you come across as

214

00:08:11,560 --> 00:08:09,500

a very polite very gracious with your

215

00:08:13,420 --> 00:08:11,570

time kind of person but now you're

216

00:08:16,660 --> 00:08:13,430

coming in as a professional quarterback

217

00:08:20,650 --> 00:08:16,670

to a lot of people who are engineers who

218

00:08:22,930 --> 00:08:20,660

might be big football fans right they're

219

00:08:24,460 --> 00:08:22,940

gonna like oh dude are you gonna get any

220

00:08:25,660 --> 00:08:24,470

work done like how do you how do you

221

00:08:28,300 --> 00:08:25,670

kind of give him a little stiff arm

222

00:08:29,500 --> 00:08:28,310

without being rude you you obviously you

223

00:08:30,700 --> 00:08:29,510

give them both everyone wants to talk

224

00:08:32,620 --> 00:08:30,710

about football I mean it's like

225

00:08:35,170 --> 00:08:32,630

America's favorite pastime and we're in

226

00:08:37,000 --> 00:08:35,180

like football central USA right here

227

00:08:38,290 --> 00:08:37,010

so everyone was talking about the game

228

00:08:40,089 --> 00:08:38,300

which I don't mind I love talking about

229

00:08:41,950 --> 00:08:40,099

the game but like the first couple of

230

00:08:43,810 --> 00:08:41,960

days also say you're like mostly I'm

231

00:08:45,400 --> 00:08:43,820

here to learn the life of an engineer

232

00:08:47,740 --> 00:08:45,410

because I wanted because that's also

233

00:08:49,990 --> 00:08:47,750

part of who I am I'm an engineer I went

234

00:08:51,460 --> 00:08:50,000

to God I studied aerospace engineering

235

00:08:53,920 --> 00:08:51,470

so I want to see the day in the life of

236

00:08:56,200 --> 00:08:53,930

the engineer so it's funny the first day

237

00:08:58,060 --> 00:08:56,210

we're mapping out no but everything that

238

00:09:00,100 --> 00:08:58,070

was gonna do here and they were saying

239

00:09:01,300 --> 00:09:00,110

oh you know you don't want to go to the

240

00:09:03,550 --> 00:09:01,310

meetings let's just show you the cool

241

00:09:06,280 --> 00:09:03,560

stuff I said okay what is it the cool

242

00:09:07,199 --> 00:09:06,290

stuff but also truly I truly want I want

243

00:09:08,790 --> 00:09:07,209

to sit down on the

244

00:09:10,439 --> 00:09:08,800

the engineering meeting where you're

245

00:09:11,730 --> 00:09:10,449

discussing different things are going on

246

00:09:13,829 --> 00:09:11,740

with the projects and different

247

00:09:15,299 --> 00:09:13,839

instrumentation you have to test I want

248

00:09:17,069 --> 00:09:15,309

to see the logistics side of it to

249

00:09:18,840 --> 00:09:17,079

understand what it means to be an

250

00:09:20,970 --> 00:09:18,850

engineer I want it maybe I've seen their

251  
00:09:22,619 --> 00:09:20,980  
shadowing you doing your desk busy work

252  
00:09:24,569 --> 00:09:22,629  
but that's still still interesting to me

253  
00:09:26,369 --> 00:09:24,579  
because I want to see I'm not being able

254  
00:09:27,480 --> 00:09:26,379  
to be around this field a lot in the

255  
00:09:29,970 --> 00:09:27,490  
real world I want to see what it's like

256  
00:09:31,350 --> 00:09:29,980  
to be an engineer for a day so I kind of

257  
00:09:32,790 --> 00:09:31,360  
taking it all in whether it's the

258  
00:09:34,379 --> 00:09:32,800  
coolest over here at the VA be the

259  
00:09:37,230 --> 00:09:34,389  
vertical Assembly Building throughout

260  
00:09:38,790 --> 00:09:37,240  
the pad where the launchpad or whether

261  
00:09:40,859 --> 00:09:38,800  
you're just sitting in the office doing

262  
00:09:42,359 --> 00:09:40,869  
normal desk work it's it's all wanna see

263  
00:09:44,780 --> 00:09:42,369

it it's all enjoyable to me you

264

00:09:47,220 --> 00:09:44,790

mentioned meetings now NASA likes

265

00:09:49,319 --> 00:09:47,230

meetings in acronyms I've learned that

266

00:09:50,910 --> 00:09:49,329

quickly those are the two those are two

267

00:09:52,980 --> 00:09:50,920

hot topics here it's like another

268

00:09:54,989 --> 00:09:52,990

language it is speak I started looking

269

00:09:56,699 --> 00:09:54,999

at the dictionary online I'll just write

270

00:10:01,859 --> 00:09:56,709

down acronyms in my notebook and then

271

00:10:03,419 --> 00:10:01,869

just look it up online and go home don't

272

00:10:05,129 --> 00:10:03,429

ever be afraid to ask for acronyms

273

00:10:07,769 --> 00:10:05,139

everybody knows it out here right you

274

00:10:09,509 --> 00:10:07,779

know gotta get this figured out well so

275

00:10:10,410 --> 00:10:09,519

so what about the Pro Football party

276

00:10:12,299 --> 00:10:10,420

yeah I mean right now you're a

277

00:10:13,859 --> 00:10:12,309

professional quarterback in the NFL for

278

00:10:16,049 --> 00:10:13,869

the Jacksonville Jaguars so what your

279

00:10:18,419 --> 00:10:16,059

goals with your aim there am I am there

280

00:10:20,519 --> 00:10:18,429

so obviously I was traded from the

281

00:10:22,230 --> 00:10:20,529

Steelers subject to Jacksonville at the

282

00:10:24,090 --> 00:10:22,240

beginning of last season I'm due to

283

00:10:26,400 --> 00:10:24,100

injuries and then logistics and then

284

00:10:28,259 --> 00:10:26,410

also the NFL's of business so you have

285

00:10:29,579 --> 00:10:28,269

to respect that side of it as well my

286

00:10:31,769 --> 00:10:29,589

goal is to be a starting quarterback and

287

00:10:33,869 --> 00:10:31,779

in the NFL there's only 32 of them and

288

00:10:35,429 --> 00:10:33,879

now that wouldn't be one of those 32 so

289

00:10:37,109 --> 00:10:35,439

that's what I'm working for every single

290

00:10:39,119 --> 00:10:37,119

day I miss funding you go from

291

00:10:41,249 --> 00:10:39,129

engineering all day didn't going over to

292

00:10:43,289 --> 00:10:41,259

Jim guy get your workout in so days

293

00:10:45,090 --> 00:10:43,299

obviously can get stretched out but you

294

00:10:47,249 --> 00:10:45,100

notice it goes back to college you know

295

00:10:49,139 --> 00:10:47,259

I understand how it is to juggle both

296

00:10:51,090 --> 00:10:49,149

sides of it how is it to work toward a

297

00:10:52,949 --> 00:10:51,100

dream to work toward a goal so every

298

00:10:53,910 --> 00:10:52,959

single day I'm stacking chips whether

299

00:10:55,199 --> 00:10:53,920

it's right now in the engineering world

300

00:10:57,119 --> 00:10:55,209

but then also get making sure I'm

301  
00:10:58,980 --> 00:10:57,129  
getting my training my conditioning to

302  
00:11:01,530 --> 00:10:58,990  
be able to be prepared once our

303  
00:11:03,539 --> 00:11:01,540  
offseason regiment starts in April hit

304  
00:11:05,429 --> 00:11:03,549  
the ground running and be able to go in

305  
00:11:07,679 --> 00:11:05,439  
and dominate once the season comes I

306  
00:11:09,449 --> 00:11:07,689  
love to hear that well so these two

307  
00:11:12,359 --> 00:11:09,459  
goals here becoming a starting

308  
00:11:15,840 --> 00:11:12,369  
quarterback in the NFL and then possibly

309  
00:11:17,879 --> 00:11:15,850  
an aerospace engineer it's tough to

310  
00:11:18,830 --> 00:11:17,889  
imagine how you can keep that going

311  
00:11:21,350 --> 00:11:18,840  
forward

312  
00:11:22,790 --> 00:11:21,360  
but and to be to be clear very difficult

313  
00:11:24,769 --> 00:11:22,800

to get the internship so how do you

314

00:11:26,390 --> 00:11:24,779

these two branches keep them going at

315

00:11:27,920 --> 00:11:26,400

the same time of course right now I'm a

316

00:11:30,440 --> 00:11:27,930

professional football player and that's

317

00:11:31,760 --> 00:11:30,450

my focus but the beauty about you know

318

00:11:35,030 --> 00:11:31,770

being a professional football player in

319

00:11:36,530 --> 00:11:35,040

the NFL and NFL PA is they provide you

320

00:11:39,110 --> 00:11:36,540

with opportunities like this an

321

00:11:40,700 --> 00:11:39,120

externship where you can go and take 3

322

00:11:42,650 --> 00:11:40,710

weeks of your time in the offseason to

323

00:11:44,269 --> 00:11:42,660

immerse yourself into a field of your

324

00:11:45,890 --> 00:11:44,279

interest so to have these these three

325

00:11:48,440 --> 00:11:45,900

weeks to immerse myself into the

326  
00:11:49,940 --> 00:11:48,450  
engineering world is amazing and then

327  
00:11:51,650 --> 00:11:49,950  
once this one is just and we're back to

328  
00:11:53,450 --> 00:11:51,660  
the grind where you're back on your

329  
00:11:55,340 --> 00:11:53,460  
training regiment every Sunday throwing

330  
00:11:57,320 --> 00:11:55,350  
lifting running is you're taking each

331  
00:11:59,900 --> 00:11:57,330  
year you're just building chips so you

332  
00:12:01,190 --> 00:11:59,910  
know obviously like most interns are not

333  
00:12:02,269 --> 00:12:01,200  
able to expand extend the amount of time

334  
00:12:03,950 --> 00:12:02,279  
but I'll be able to have this

335  
00:12:05,900 --> 00:12:03,960  
opportunity to first learn everything

336  
00:12:07,280 --> 00:12:05,910  
that's going on at KSC be able to see

337  
00:12:09,410 --> 00:12:07,290  
the big picture and see different

338  
00:12:12,470 --> 00:12:09,420

subsystems and then next year I'll be

339

00:12:14,269 --> 00:12:12,480

able to grow on that so obviously you

340

00:12:16,310 --> 00:12:14,279

can you think of like goals and they

341

00:12:18,230 --> 00:12:16,320

want instant gratification like I got to

342

00:12:19,700 --> 00:12:18,240

do both now right so I'm working on one

343

00:12:21,140 --> 00:12:19,710

now and then playing the long run for

344

00:12:23,360 --> 00:12:21,150

the other one so it works out pretty

345

00:12:25,940 --> 00:12:23,370

well just seeing the big picture taking

346

00:12:26,990 --> 00:12:25,950

the small pieces step by step to get

347

00:12:29,300 --> 00:12:27,000

your goals you're right because it's

348

00:12:31,490 --> 00:12:29,310

very hard to realize a big goal like

349

00:12:33,290 --> 00:12:31,500

becoming an aerospace engineer all at

350

00:12:34,250 --> 00:12:33,300

once especially at NASA right right

351  
00:12:36,410 --> 00:12:34,260  
right

352  
00:12:38,510 --> 00:12:36,420  
so what do you think about the new

353  
00:12:41,720 --> 00:12:38,520  
Artemis program this is the one where

354  
00:12:43,880 --> 00:12:41,730  
we're seeking to land a woman the first

355  
00:12:48,230 --> 00:12:43,890  
woman and the next man on the moon by

356  
00:12:49,880 --> 00:12:48,240  
2024 that's just four years away when

357  
00:12:51,500 --> 00:12:49,890  
you hear that and you know that there's

358  
00:12:53,180 --> 00:12:51,510  
gonna be a ton of engineering that kind

359  
00:12:54,920 --> 00:12:53,190  
of gets behind this with you we've got

360  
00:12:57,050 --> 00:12:54,930  
on the moon before but really going in

361  
00:13:00,079 --> 00:12:57,060  
the moon this time is to help go build

362  
00:13:02,870 --> 00:13:00,089  
back stuff right for Mars so what what

363  
00:13:04,730 --> 00:13:02,880

kind of what do you think about a goal

364

00:13:06,800 --> 00:13:04,740

that big that NASA has said I think it's

365

00:13:08,990 --> 00:13:06,810

amazing I think it's obviously been a

366

00:13:10,940 --> 00:13:09,000

while since we've gone gone to the moon

367

00:13:12,980 --> 00:13:10,950

and obviously a lot of reasons behind

368

00:13:15,019 --> 00:13:12,990

that ability International Space Station

369

00:13:16,850 --> 00:13:15,029

we were doing other missions but for

370

00:13:19,910 --> 00:13:16,860

that to be a goal and just to see how

371

00:13:22,250 --> 00:13:19,920

that goal is basically the framework the

372

00:13:24,170 --> 00:13:22,260

support to the to the next goal the

373

00:13:28,040 --> 00:13:24,180

springboard to go into Mars I think is

374

00:13:30,620 --> 00:13:28,050

extremely exciting and I think the the

375

00:13:32,070 --> 00:13:30,630

most interesting thing that I've seen on

376

00:13:33,930 --> 00:13:32,080

a daily basis is

377

00:13:35,280 --> 00:13:33,940

when you go out you're a part of the

378

00:13:36,840 --> 00:13:35,290

different subsystems and you're

379

00:13:39,780 --> 00:13:36,850

interacting with the different engineers

380

00:13:41,610 --> 00:13:39,790

the stuff that they're doing when

381

00:13:42,930 --> 00:13:41,620

they're building the mobile launcher and

382

00:13:44,190 --> 00:13:42,940

when they're assembling this rocket

383

00:13:46,560 --> 00:13:44,200

stuff that's never been done before

384

00:13:47,820 --> 00:13:46,570

that's what's so amazing about it it's

385

00:13:50,580 --> 00:13:47,830

it's not like they're coming here and

386

00:13:52,230 --> 00:13:50,590

mass producing a piece that operates on

387

00:13:54,090 --> 00:13:52,240

a daily basis they're literally building

388

00:13:55,740 --> 00:13:54,100

a rocket to do something that it's never

389

00:13:59,130 --> 00:13:55,750

done before and that has never been done

390

00:14:00,990 --> 00:13:59,140

and mankind so it's it's actually it's

391

00:14:02,430 --> 00:14:01,000

special right it's is almost

392

00:14:04,440 --> 00:14:02,440

mind-blowing it's like wow like this is

393

00:14:06,870 --> 00:14:04,450

it's like something you see in movies no

394

00:14:08,640 --> 00:14:06,880

it's it's truly it's truly mind-blowing

395

00:14:10,830 --> 00:14:08,650

I often find myself when I'm walking

396

00:14:12,600 --> 00:14:10,840

around the Space Center particularly

397

00:14:14,820 --> 00:14:12,610

inside the VAB and I'm looking at those

398

00:14:16,410 --> 00:14:14,830

massive structures like I feel like I'm

399

00:14:18,240 --> 00:14:16,420

on the set of Star Wars well you know

400

00:14:19,680 --> 00:14:18,250

this you know the movie Pacific Rim

401

00:14:21,870 --> 00:14:19,690

where they have like this that's what

402

00:14:23,340 --> 00:14:21,880

it's like the hot the ginormous stealing

403

00:14:24,540 --> 00:14:23,350

Star Wars as well you know you're

404

00:14:27,690 --> 00:14:24,550

walking around there you're just like a

405

00:14:29,550 --> 00:14:27,700

kid in in a zoo almost know it is is

406

00:14:31,530 --> 00:14:29,560

amazing just because of the innovation

407

00:14:33,120 --> 00:14:31,540

and then being able to like have an

408

00:14:34,830 --> 00:14:33,130

engineering background just knowing what

409

00:14:36,690 --> 00:14:34,840

it takes you know it's taking stuff that

410

00:14:38,790 --> 00:14:36,700

you learned in school stuff that you've

411

00:14:40,710 --> 00:14:38,800

learned on the job but it's also being

412

00:14:42,990 --> 00:14:40,720

able to use those and critically things

413

00:14:44,730 --> 00:14:43,000

to solve problems that have never been

414

00:14:46,590 --> 00:14:44,740

solved before there's such a reward to

415

00:14:49,110 --> 00:14:46,600

that right I think that's kind of like

416

00:14:51,480 --> 00:14:49,120

what central to engineering is is having

417

00:14:54,740 --> 00:14:51,490

a problem and finding that unique

418

00:14:57,600 --> 00:14:54,750

solution is there a particular type of

419

00:15:00,750 --> 00:14:57,610

problem that you would enjoy helping

420

00:15:01,950 --> 00:15:00,760

NASA solve honestly you know any bonus

421

00:15:04,020 --> 00:15:01,960

for it was actually interesting

422

00:15:07,140 --> 00:15:04,030

yesterday I was over with the virtual

423

00:15:09,300 --> 00:15:07,150

reality team where they take your body

424

00:15:11,220 --> 00:15:09,310

dimensions and they put you they immerse

425

00:15:12,480 --> 00:15:11,230

you into different environments so like

426

00:15:14,160 --> 00:15:12,490

whether you're like an astronaut or

427

00:15:16,380 --> 00:15:14,170

something working on the mobile launcher

428

00:15:18,750 --> 00:15:16,390

you can see the stuff like actually work

429

00:15:20,610 --> 00:15:18,760

you know in the space right huh so I get

430

00:15:22,650 --> 00:15:20,620

chance to soon it looks extended time

431

00:15:24,030 --> 00:15:22,660

with them a little later but that was so

432

00:15:26,580 --> 00:15:24,040

interesting because I'm thinking like

433

00:15:28,320 --> 00:15:26,590

just how applicable that is like every

434

00:15:30,960 --> 00:15:28,330

situation whether it's here at NASA or

435

00:15:32,700 --> 00:15:30,970

in sports like just virtually seeing

436

00:15:34,800 --> 00:15:32,710

yourself in different situations and

437

00:15:36,120 --> 00:15:34,810

being able to take those mental reps so

438

00:15:37,320 --> 00:15:36,130

when whether you get on the mobile

439

00:15:39,000 --> 00:15:37,330

launcher you're trying to make an

440

00:15:40,770 --> 00:15:39,010

adjustment of your astronaut trying to

441

00:15:42,660 --> 00:15:40,780

fit in the space crap you know it's

442

00:15:44,520 --> 00:15:42,670

there's so many there's so many

443

00:15:45,960 --> 00:15:44,530

applications for that software for that

444

00:15:47,460 --> 00:15:45,970

technology and I

445

00:15:49,800 --> 00:15:47,470

think like really the sky's the limit

446

00:15:51,780 --> 00:15:49,810

for that just visually getting be able

447

00:15:53,249 --> 00:15:51,790

to visually see stuff and get mental

448

00:15:53,759 --> 00:15:53,259

reps at it so it's definitely

449

00:15:55,860 --> 00:15:53,769

interesting

450

00:15:59,220 --> 00:15:55,870

alright Joshua Dobbs you're working some

451  
00:16:01,379 --> 00:15:59,230  
long days interning by day here at

452  
00:16:03,540 --> 00:16:01,389  
Kennedy Space Center and getting ready

453  
00:16:05,300 --> 00:16:03,550  
for the NFL season coming up as a

454  
00:16:07,769 --> 00:16:05,310  
quarterback for the Jacksonville Jaguars

455  
00:16:09,840 --> 00:16:07,779  
we wish you great success and we thank

456  
00:16:11,970 --> 00:16:09,850  
you very much for being here and listen

457  
00:16:13,679 --> 00:16:11,980  
you know we we we know you're going to

458  
00:16:16,530 --> 00:16:13,689  
be fantastic but if someday down the

459  
00:16:18,840 --> 00:16:16,540  
road leave the NFL and you decide to

460  
00:16:22,949 --> 00:16:18,850  
come to NASA Kennedy we got dibs on your

461  
00:16:27,679 --> 00:16:22,959  
football team we got a deal no other no

462  
00:16:31,379 --> 00:16:30,090  
Joshua was a pleasure thank you thank

463  
00:16:33,809 --> 00:16:31,389

you very much thank you for having me I

464

00:16:35,579 --> 00:16:33,819

appreciate it I'm Gerald nail and that's

465

00:16:37,889 --> 00:16:35,589

our show thanks for stopping by the

466

00:16:40,590 --> 00:16:37,899

rocket ranch and special thanks to our

467

00:16:43,280 --> 00:16:40,600

guest Joshua Dobbs to learn more about

468

00:16:46,079 --> 00:16:43,290

NASA's intern program visit intern

469

00:16:48,480 --> 00:16:46,089

nasa.gov and to learn more about

470

00:16:51,929 --> 00:16:48,490

everything going on at KSC go to

471

00:16:53,759 --> 00:16:51,939

nasa.gov forward slash kennedy and check

472

00:16:55,259 --> 00:16:53,769

out nasa's other podcast to learn more

473

00:16:58,280 --> 00:16:55,269

about what's happening at all of our

474

00:17:01,019 --> 00:16:58,290

centers at nasa.gov forward slash

475

00:17:03,990 --> 00:17:01,029

podcasts a special shout out to our

476

00:17:07,429 --> 00:17:04,000

producer john Sackman our sound man born

477

00:17:11,039 --> 00:17:07,439

May 3 and our editor Michele stone and

478

00:17:12,589 --> 00:17:11,049

remember on the rocket ranch the sky is