



1
00:00:11,030 --> 00:00:09,830
uh it's uh obviously

2
00:00:14,390 --> 00:00:11,040
exploring

3
00:00:16,070 --> 00:00:14,400
uh new and distant places and uh but

4
00:00:17,269 --> 00:00:16,080
at first i mean that's that's you know

5
00:00:18,950 --> 00:00:17,279
when you're younger that's what i wanted

6
00:00:19,750 --> 00:00:18,960
to do i saw neil armstrong walk on the

7
00:00:21,910 --> 00:00:19,760
moon

8
00:00:23,509 --> 00:00:21,920
and i looked at my mom and said hey i

9
00:00:26,150 --> 00:00:23,519
want to do that i had to create my own

10
00:00:27,670 --> 00:00:26,160
opportunities and so when i got my first

11
00:00:29,269 --> 00:00:27,680
job when i was nine years old and then i

12
00:00:31,269 --> 00:00:29,279
was working pretty much full time by the

13
00:00:32,870 --> 00:00:31,279

time i was 14 and if i wanted a bicycle

14

00:00:35,110 --> 00:00:32,880

i had to go find the parts put it

15

00:00:38,150 --> 00:00:35,120

together and make it work right so i did

16

00:00:39,430 --> 00:00:38,160

that not only was it a good bicycle but

17

00:00:40,950 --> 00:00:39,440

it was the best bicycle in the

18

00:00:43,030 --> 00:00:40,960

neighborhood it could ride wheelies and

19

00:00:45,029 --> 00:00:43,040

it could go over jumps and ride through

20

00:00:47,430 --> 00:00:45,039

the woods i could do it and i did

21

00:00:48,470 --> 00:00:47,440

everything on on that i graduated high

22

00:00:51,029 --> 00:00:48,480

school from blue hills regional

23

00:00:53,590 --> 00:00:51,039

vocational technical high school just

24

00:00:55,350 --> 00:00:53,600

south of boston massachusetts a really

25

00:00:57,670 --> 00:00:55,360

good experience here working with a lot

26
00:00:58,869 --> 00:00:57,680
of machines and technical design and

27
00:01:01,270 --> 00:00:58,879
things like that

28
00:01:03,110 --> 00:01:01,280
got a lot of after-school jobs doing

29
00:01:04,469 --> 00:01:03,120
technical things so it was a really good

30
00:01:06,390 --> 00:01:04,479
experience

31
00:01:08,070 --> 00:01:06,400
moved on into engineering at

32
00:01:10,070 --> 00:01:08,080
southeastern massachusetts university

33
00:01:11,510 --> 00:01:10,080
now called university of massachusetts

34
00:01:13,670 --> 00:01:11,520
they changed over

35
00:01:15,590 --> 00:01:13,680
in mechanical engineering again another

36
00:01:17,270 --> 00:01:15,600
great opportunity had some great mentors

37
00:01:19,510 --> 00:01:17,280
there folks that i still keep in touch

38
00:01:21,350 --> 00:01:19,520

with to this day professors

39

00:01:22,630 --> 00:01:21,360

you know deans all those folks

40

00:01:24,789 --> 00:01:22,640

presidents

41

00:01:27,190 --> 00:01:24,799

all those folks that run the school just

42

00:01:30,870 --> 00:01:27,200

just a great facility and great people

43

00:01:32,230 --> 00:01:30,880

then moved on to purdue university again

44

00:01:33,749 --> 00:01:32,240

in mechanical engineering with a

45

00:01:34,870 --> 00:01:33,759

specialty in fluid mechanics and

46

00:01:36,350 --> 00:01:34,880

propulsion

47

00:01:38,870 --> 00:01:36,360

i cleaned

48

00:01:40,469 --> 00:01:38,880

a bakery at night you know between

49

00:01:42,469 --> 00:01:40,479

midnight and six in the morning when i

50

00:01:44,870 --> 00:01:42,479

was just getting into high school and

51
00:01:46,950 --> 00:01:44,880
then then graduated that opportunity up

52
00:01:49,830 --> 00:01:46,960
into actually making bagels and bread

53
00:01:52,630 --> 00:01:49,840
and things like that and all of that

54
00:01:55,350 --> 00:01:52,640
funded my first year or two of college

55
00:01:57,510 --> 00:01:55,360
and without which i would not have gone

56
00:01:59,350 --> 00:01:57,520
and so as a young age i realized that if

57
00:02:00,789 --> 00:01:59,360
i wanted to get somewhere if i wanted to

58
00:02:02,789 --> 00:02:00,799
get to be an astronaut i was going to

59
00:02:05,350 --> 00:02:02,799
have to start working early and hard to

60
00:02:07,030 --> 00:02:05,360
make it happen in college we had a very

61
00:02:10,949 --> 00:02:07,040
tight

62
00:02:12,150 --> 00:02:10,959
that we started pulling people in from

63
00:02:15,110 --> 00:02:12,160

other disciplines you know computer

64

00:02:17,510 --> 00:02:15,120

science um you know business and things

65

00:02:19,190 --> 00:02:17,520

like that the camaraderie was absolutely

66

00:02:21,910 --> 00:02:19,200

incredible and the support that we gave

67

00:02:23,589 --> 00:02:21,920

each other was absolutely uh incredible

68

00:02:25,110 --> 00:02:23,599

i did a little bit of kung fu for about

69

00:02:26,790 --> 00:02:25,120

three years uh there because it was

70

00:02:28,550 --> 00:02:26,800

active and it was physical and it was

71

00:02:31,509 --> 00:02:28,560

something different that i wanted to try

72

00:02:33,430 --> 00:02:31,519

i was in a rock band played lead guitar

73

00:02:35,509 --> 00:02:33,440

all the way through college we had you

74

00:02:37,030 --> 00:02:35,519

know several gigs in and out of boston

75

00:02:39,030 --> 00:02:37,040

providence you know up and down the east

76

00:02:40,309 --> 00:02:39,040

coast there a little bit and that was uh

77

00:02:42,150 --> 00:02:40,319

that was actually a pretty good team

78

00:02:45,750 --> 00:02:42,160

activity too i actually enlisted when i

79

00:02:47,830 --> 00:02:45,760

was 18 years old and i spent my summers

80

00:02:50,550 --> 00:02:47,840

going to training in chicago and you

81

00:02:52,550 --> 00:02:50,560

know japan and some other places where

82

00:02:54,390 --> 00:02:52,560

wherever my unit deployed

83

00:02:57,270 --> 00:02:54,400

and then i did one to two weekends a

84

00:02:59,750 --> 00:02:57,280

month yeah every every navy squadron and

85

00:03:00,790 --> 00:02:59,760

air force gardener they have

86

00:03:02,470 --> 00:03:00,800

names

87

00:03:05,190 --> 00:03:02,480

you know they have 14 squadrons jolly

88

00:03:07,110 --> 00:03:05,200

roger the top hatters those are all f-18

89

00:03:09,030 --> 00:03:07,120

squadrons now by the way because f-14

90

00:03:11,670 --> 00:03:09,040

went away

91

00:03:14,149 --> 00:03:11,680

but the at vx9

92

00:03:16,390 --> 00:03:14,159

they called themselves the vampires

93

00:03:18,790 --> 00:03:16,400

just because that's just what they were

94

00:03:21,030 --> 00:03:18,800

we did a lot of

95

00:03:22,710 --> 00:03:21,040

testing of systems

96

00:03:23,830 --> 00:03:22,720

and vehicles

97

00:03:25,830 --> 00:03:23,840

at night

98

00:03:27,670 --> 00:03:25,840

for missions that no one would see i

99

00:03:29,030 --> 00:03:27,680

want to see what's over the horizon i

100

00:03:31,589 --> 00:03:29,040

want to see

101

00:03:35,110 --> 00:03:31,599

new places i want to meet new people i

102

00:03:36,630 --> 00:03:35,120

want to create new technology i want to