



Astronaut

at a Glance

1
00:00:10,629 --> 00:00:09,830
it was about 1980 i was nine years old

2
00:00:15,749 --> 00:00:10,639
and

3
00:00:17,990 --> 00:00:15,759
said you know you guys can probably

4
00:00:20,630 --> 00:00:18,000
become aerospace engineers or even

5
00:00:22,310 --> 00:00:20,640
astronauts and this was at the time that

6
00:00:24,230 --> 00:00:22,320
sally wright and a group of women were

7
00:00:25,349 --> 00:00:24,240
selected to become astronauts first time

8
00:00:27,349 --> 00:00:25,359
in history

9
00:00:30,150 --> 00:00:27,359
so he made that comment

10
00:00:31,669 --> 00:00:30,160
and i said wow that would be so cool so

11
00:00:33,670 --> 00:00:31,679
we ended up going to a really small

12
00:00:35,350 --> 00:00:33,680
jesuit school in syracuse new york

13
00:00:38,150 --> 00:00:35,360

called lemoyne college

14

00:00:40,549 --> 00:00:38,160
and hindsight is 2020 best thing

15

00:00:42,549 --> 00:00:40,559
we ever did when i went to undergrad i

16

00:00:43,910 --> 00:00:42,559
wanted to go into aerospace engineering

17

00:00:46,150 --> 00:00:43,920
but i went to a really small jesse

18

00:00:48,229 --> 00:00:46,160
school so i ended up in physics and then

19

00:00:50,150 --> 00:00:48,239
when i got to graduate school i said

20

00:00:52,310 --> 00:00:50,160
aerospace engineering it is and then

21

00:00:54,709 --> 00:00:52,320
during the summers i worked with a group

22

00:00:56,709 --> 00:00:54,719
called n roads and n roads helped

23

00:00:59,029 --> 00:00:56,719
students find summer jobs summer

24

00:01:00,790 --> 00:00:59,039
internships at major corporations like

25

00:01:02,150 --> 00:01:00,800
the two corporations the one corporation

26

00:01:04,070 --> 00:01:02,160

i actually worked with was

27

00:01:06,469 --> 00:01:04,080

anheuser-busch in syracuse and

28

00:01:08,230 --> 00:01:06,479

baldwinsville new york near syracuse and

29

00:01:10,710 --> 00:01:08,240

so that was the one group that i worked

30

00:01:12,630 --> 00:01:10,720

with undergrad and i ended up going to

31

00:01:14,550 --> 00:01:12,640

the university of maryland for aerospace

32

00:01:16,550 --> 00:01:14,560

engineering the department chair at the

33

00:01:18,710 --> 00:01:16,560

time had a ton of money to do research

34

00:01:20,390 --> 00:01:18,720

and smart materials i went to work for

35

00:01:22,149 --> 00:01:20,400

ford motor company after graduating from

36

00:01:24,149 --> 00:01:22,159

university of maryland

37

00:01:26,710 --> 00:01:24,159

that was great you know i was doing

38

00:01:28,710 --> 00:01:26,720

research on cars four cars vibration

39

00:01:30,390 --> 00:01:28,720

analysis and then i went over to work

40

00:01:31,830 --> 00:01:30,400

for the central intelligence agency

41

00:01:33,830 --> 00:01:31,840

where i was there for seven and a half

42

00:01:35,190 --> 00:01:33,840

years you know i did a lot of scientific

43

00:01:37,270 --> 00:01:35,200

stuff but i also did a lot of

44

00:01:39,190 --> 00:01:37,280

operational stuff we worked in

45

00:01:41,590 --> 00:01:39,200

non-proliferation issues

46

00:01:43,590 --> 00:01:41,600

which um was great i mean he was reverse

47

00:01:45,670 --> 00:01:43,600

engineering at his best and so i ended

48

00:01:47,510 --> 00:01:45,680

up doing several other things with the

49

00:01:49,670 --> 00:01:47,520

central intelligence agency like going

50

00:01:51,510 --> 00:01:49,680

over volunteering to go over to iraq

51
00:01:54,310 --> 00:01:51,520
and work there for four months and you

52
00:01:56,389 --> 00:01:54,320
know help look for wmd things like that

53
00:01:58,149 --> 00:01:56,399
and so finally when a friend of mine

54
00:01:59,510 --> 00:01:58,159
leland melvin called me and said you

55
00:02:01,350 --> 00:01:59,520
know they're accepting applications

56
00:02:04,789 --> 00:02:01,360
again you should think about applying

57
00:02:06,469 --> 00:02:04,799
2008 i applied in 2009 i was selected

58
00:02:09,830 --> 00:02:06,479
and here i am

59
00:02:11,750 --> 00:02:09,840
oh yes i did nemo that was um

60
00:02:14,070 --> 00:02:11,760
so i always wanted to do nemo i thought

61
00:02:16,309 --> 00:02:14,080
when i first saw it i thought it was one

62
00:02:17,990 --> 00:02:16,319
of the best analogs to space you know

63
00:02:19,670 --> 00:02:18,000

you can't just leave you kind of stuck

64

00:02:22,229 --> 00:02:19,680

with these people

65

00:02:24,710 --> 00:02:22,239

um sick there's six of you um and it's

66

00:02:27,350 --> 00:02:24,720

very international we practice some

67

00:02:29,750 --> 00:02:27,360

analogs as if we were going to exploit

68

00:02:31,670 --> 00:02:29,760

an asteroid um the tools that we would

69

00:02:32,550 --> 00:02:31,680

use if we were going to an asteroid like

70

00:02:35,670 --> 00:02:32,560

this

71

00:02:38,070 --> 00:02:35,680

giant um drill that we had to set up and

72

00:02:40,070 --> 00:02:38,080

practice taking samples and then

73

00:02:42,070 --> 00:02:40,080

excursions the worst part of nemo is

74

00:02:44,790 --> 00:02:42,080

having to purge basically have to flood

75

00:02:46,390 --> 00:02:44,800

the helmet with sea water salt water

76

00:02:47,110 --> 00:02:46,400

gets in your eyes and you have to purge

77

00:02:49,589 --> 00:02:47,120

it

78

00:02:51,670 --> 00:02:49,599

while you're lying on the bottom

79

00:02:54,309 --> 00:02:51,680

and so that's probably the least fun