
ON WORKING
at
NASA GLENN

1
00:00:16,230 --> 00:00:14,390
the super modifieds that i have now

2
00:00:18,230 --> 00:00:16,240
i actually built the cars from scratch

3
00:00:19,990 --> 00:00:18,240
from a pile of tubing so

4
00:00:22,150 --> 00:00:20,000
at nasa it's all about you know we have

5
00:00:23,189 --> 00:00:22,160
no air how do we get propulsion out of

6
00:00:25,429 --> 00:00:23,199
nowhere

7
00:00:28,790 --> 00:00:25,439
uh whereas with the race car it's how do

8
00:00:30,870 --> 00:00:28,800
we utilize the air to make downpours

9
00:00:33,030 --> 00:00:30,880
create the most load on the tires

10
00:00:34,069 --> 00:00:33,040
possible so you get faster corner right

11
00:00:35,990 --> 00:00:34,079
so it's

12
00:00:38,549 --> 00:00:36,000
it's kind of night and day completely

13
00:00:40,470 --> 00:00:38,559

different worlds but the basics and the

14
00:00:43,270 --> 00:00:40,480
backgrounds the same

15
00:00:45,190 --> 00:00:43,280
racing is and always has been a family

16
00:00:46,549 --> 00:00:45,200
deal you know my grandfather raised my

17
00:00:48,630 --> 00:00:46,559
uncle's race

18
00:00:51,510 --> 00:00:48,640
my dad was helping out a guy with his

19
00:00:53,430 --> 00:00:51,520
race car and his son was racing so we

20
00:00:54,950 --> 00:00:53,440
went and watched and then we went back

21
00:00:57,270 --> 00:00:54,960
the next week and bought a car and then

22
00:00:58,869 --> 00:00:57,280
a week after that i ran my first race at

23
00:01:00,630 --> 00:00:58,879
nine years old

24
00:01:03,349 --> 00:01:00,640
my father-in-law used to race these type

25
00:01:05,429 --> 00:01:03,359
of cars so my wife and kids are there

26
00:01:07,830 --> 00:01:05,439
and you know my kids are my biggest fans

27
00:01:09,670 --> 00:01:07,840
my daughter especially just loves it and

28
00:01:12,630 --> 00:01:09,680
you know to see her face

29
00:01:13,590 --> 00:01:12,640
and and how excited she gets when you

30
00:01:15,910 --> 00:01:13,600
say uh we're going to go to the

31
00:01:17,990 --> 00:01:15,920
racetrack

32
00:01:20,310 --> 00:01:18,000
you know it kind of melts your heart

33
00:01:21,510 --> 00:01:20,320
that was a big part of growing up for me

34
00:01:23,670 --> 00:01:21,520
and

35
00:01:26,630 --> 00:01:23,680
really made me appreciate

36
00:01:28,950 --> 00:01:26,640
cars and design in general and i think

37
00:01:30,310 --> 00:01:28,960
it really pushed me towards engineering

38
00:01:32,950 --> 00:01:30,320

because i always wanted to know how

39
00:01:35,590 --> 00:01:32,960
things work and now i had this race car

40
00:01:37,350 --> 00:01:35,600
and trying to understand how it works

41
00:01:39,749 --> 00:01:37,360
and make it better

42
00:01:40,950 --> 00:01:39,759
so it kind of feeds into engineering in

43
00:01:42,630 --> 00:01:40,960
general

44
00:01:44,789 --> 00:01:42,640
there's just

45
00:01:46,469 --> 00:01:44,799
amazing people as you'd expect that work

46
00:01:47,990 --> 00:01:46,479
at nasa that are you know we're problem

47
00:01:49,510 --> 00:01:48,000
solvers so

48
00:01:51,030 --> 00:01:49,520
uh you know give us a problem and we'll

49
00:01:53,109 --> 00:01:51,040
figure it out one way or another we're

50
00:01:55,270 --> 00:01:53,119
actually the agency

51
00:01:56,870 --> 00:01:55,280
lead for electric propulsion you know

52
00:01:59,190 --> 00:01:56,880
it's it's pretty cool knowing that you

53
00:02:01,830 --> 00:01:59,200
know we developed the thruster here at