

COOL LABS AT JPL



ators

1
00:00:05,840 --> 00:00:03,710
growing up as a kid I'm really like

2
00:00:07,610 --> 00:00:05,850
looking at the Stars and that really

3
00:00:09,110 --> 00:00:07,620
gave me a good interest in astronomy so

4
00:00:13,310 --> 00:00:09,120
I wanted to be in a genre when I was

5
00:00:15,379 --> 00:00:13,320
growing up hello my name is Gregory

6
00:00:17,779 --> 00:00:15,389
Villar and I'm a senior at Cal Poly

7
00:00:33,830 --> 00:00:17,789
Pomona and I'm majoring in physics and

8
00:00:35,299 --> 00:00:33,840
minoring in mathematics right now i'm

9
00:00:37,910 --> 00:00:35,309
actually studying objects called

10
00:00:39,319 --> 00:00:37,920
planetary nebula and what we're doing is

11
00:00:42,080 --> 00:00:39,329
we're trying to classify them in terms

12
00:00:43,819 --> 00:00:42,090
of their sizes and shapes i guess the

13
00:00:45,290 --> 00:00:43,829

most exciting about planetary nebulas

14

00:00:47,240 --> 00:00:45,300

they come in a wide variety of shapes

15

00:00:48,650 --> 00:00:47,250

and sizes which is really quite puzzling

16

00:00:50,840 --> 00:00:48,660

considering that they are all starting

17

00:00:52,819 --> 00:00:50,850

as a spear and it just it's really

18

00:00:54,380 --> 00:00:52,829

intriguing to be able to understand why

19

00:00:55,939 --> 00:00:54,390

this is so and we don't really have a

20

00:00:57,650 --> 00:00:55,949

good confidential that right now and I

21

00:01:00,680 --> 00:00:57,660

guess that's the motivating factor and

22

00:01:01,939 --> 00:01:00,690

doing all this research during my

23

00:01:03,979 --> 00:01:01,949

internship I was able to see other

24

00:01:06,590 --> 00:01:03,989

projects going on at JPL which is really

25

00:01:08,300 --> 00:01:06,600

cool to do as I supposed to just working

26

00:01:09,890 --> 00:01:08,310

in my office if it actually visit a lab

27

00:01:12,140 --> 00:01:09,900

which works on artificial muscles right

28

00:01:14,929 --> 00:01:12,150

now and I think their overall goal is to

29

00:01:17,929 --> 00:01:14,939

build a um an artificial muscle that can

30

00:01:19,310 --> 00:01:17,939

beat so I human an arm wrestling but

31

00:01:23,660 --> 00:01:19,320

that was really it was a really cool lab

32

00:01:25,640 --> 00:01:23,670

to visit one of my co interns worked on

33

00:01:27,560 --> 00:01:25,650

athlete which is one of the coolest

34

00:01:29,090 --> 00:01:27,570

things ever I remember going there one

35

00:01:30,980 --> 00:01:29,100

time and seeing all the robotic stuff

36

00:01:33,440 --> 00:01:30,990

and it was really cool it made me want

37

00:01:38,149 --> 00:01:33,450

to just like go there and work on it for

38

00:01:40,130 --> 00:01:38,159

a while let me so often maybe like once

39

00:01:43,730 --> 00:01:40,140

a month they took us on field trips so

40

00:01:45,440 --> 00:01:43,740

one would be up to the Dryden Center up

41

00:01:47,030 --> 00:01:45,450

north and that was really cool too

42

00:01:48,560 --> 00:01:47,040

because we got to see all the the

43

00:01:50,569 --> 00:01:48,570

jetsons stuff flying around and all the

44

00:01:52,219 --> 00:01:50,579

research they're doing over there now

45

00:01:53,210 --> 00:01:52,229

that I'm in the massive network I know

46

00:01:54,679 --> 00:01:53,220

there's a lot of opportunities there

47

00:01:57,770 --> 00:01:54,689

that I would have a great chance of

48

00:01:59,870 --> 00:01:57,780

getting into after I graduate with my

49

00:02:02,450 --> 00:01:59,880

PhD hopefully come back to JPL and do

50

00:02:03,649 --> 00:02:02,460

some work on research I've always wanted

51

00:02:05,239 --> 00:02:03,659

to go into space

52

00:02:06,830 --> 00:02:05,249

so hopefully now that I'm in the NASA

53

00:02:08,779 --> 00:02:06,840

network you know someday in the future

54

00:02:12,020 --> 00:02:08,789

when space travel is more accessible I