



1
00:00:07,050 --> 00:00:05,370
hi my name is Victor Mejia I am a summer

2
00:00:08,910 --> 00:00:07,060
engine here I came in through the NASA

3
00:00:12,120 --> 00:00:08,920
must program Italy minority education

4
00:00:13,620 --> 00:00:12,130
office and this is my fourth summer here

5
00:00:16,260 --> 00:00:13,630
I'm working on the image processing

6
00:00:18,570 --> 00:00:16,270
laboratory they get these huge images

7
00:00:20,220 --> 00:00:18,580
from JPL flight instruments but often

8
00:00:21,349 --> 00:00:20,230
there are too large to view on a

9
00:00:24,509 --> 00:00:21,359
standard computer or even

10
00:00:25,830 --> 00:00:24,519
high-definition television screens they

11
00:00:27,450 --> 00:00:25,840
create these animations where you zoom

12
00:00:29,339 --> 00:00:27,460
in and then you can across these images

13
00:00:31,200 --> 00:00:29,349

to view them in detail this is important

14

00:00:32,820 --> 00:00:31,210

for scientists for certain areas of say

15

00:00:34,500 --> 00:00:32,830

Mars that they want to explore or mainly

16

00:00:37,020 --> 00:00:34,510

for the media and things like that

17

00:00:38,549 --> 00:00:37,030

these animations they often take time to

18

00:00:40,530 --> 00:00:38,559

make what they wanted to do is to

19

00:00:42,600 --> 00:00:40,540

automate the entire process they give me

20

00:00:44,100 --> 00:00:42,610

part of the task to do to write the

21

00:00:46,229 --> 00:00:44,110

software to automate the creation of

22

00:00:48,150 --> 00:00:46,239

these animations what I am thrilled

23

00:00:50,209 --> 00:00:48,160

about this summer is that my software is

24

00:00:52,350 --> 00:00:50,219

actually gonna be used by real scientist

25

00:00:54,689 --> 00:00:52,360

but the first couple years of my life I

26

00:00:56,700 --> 00:00:54,699

lived in South LA so that was pretty

27

00:00:58,380 --> 00:00:56,710

rough after that I lived in Boyle

28

00:01:00,029 --> 00:00:58,390

Heights for a couple years it was around

29

00:01:02,279 --> 00:01:00,039

the time what gangs were pretty big you

30

00:01:03,560 --> 00:01:02,289

know I mean tinging gang members my

31

00:01:06,090 --> 00:01:03,570

neighborhood was just pretty normal

32

00:01:07,800 --> 00:01:06,100

my mom's has been a single parent since

33

00:01:08,730 --> 00:01:07,810

I was five years old so that that was

34

00:01:14,100 --> 00:01:08,740

definitely another source of motivation

35

00:01:14,100 --> 00:01:14,110

for me to just push harder for education

36

00:01:18,060 --> 00:01:16,290

you do real work here you know I mean at

37

00:01:19,590 --> 00:01:18,070

the beginning when they give me the task

38

00:01:20,910 --> 00:01:19,600

for a couple of weeks I was like this is

39
00:01:22,680 --> 00:01:20,920
impossible you know what they want me to

40
00:01:24,000 --> 00:01:22,690
do it but then you work through it you

41
00:01:25,800 --> 00:01:24,010
know you talk to people you get some

42
00:01:27,750 --> 00:01:25,810
help and once you get something working

43
00:01:29,880 --> 00:01:27,760
is so rewarding it's definitely helping

44
00:01:31,110 --> 00:01:29,890
me for the future I mean it's it's

45
00:01:32,430 --> 00:01:31,120
helped me decide what I actually want to

46
00:01:34,170 --> 00:01:32,440
do for bats for a while I didn't want to

47
00:01:37,200 --> 00:01:34,180
go into computer science forgets or

48
00:01:38,760 --> 00:01:37,210
either in image processing or software

49
00:01:40,740 --> 00:01:38,770
engineering if I had any advice to give

50
00:01:42,390 --> 00:01:40,750
definitely not to be discouraged what

51
00:01:44,640 --> 00:01:42,400
happens a lot of summer interns here is

52
00:01:45,660 --> 00:01:44,650
that they get a summer task or they have

53
00:01:47,100 --> 00:01:45,670
to learn a computer language that

54
00:01:48,930 --> 00:01:47,110
they've never learned there's actually

55
00:01:51,270 --> 00:01:48,940
what I love about here that you can come

56
00:01:53,219 --> 00:01:51,280
here and not have the necessary tools to

57
00:01:54,780 --> 00:01:53,229
do what you're supposed to do but you

58
00:01:56,940 --> 00:01:54,790
learn them here on the spot and then you

59
00:01:58,980 --> 00:01:56,950
walk off and going back to school with