1
00:00:42,860 --> 00:00:47,340
Alex Petrov: My group is working on the CubeSat
engineering project, where we're trying to

2
00:00:47,340 --> 00:00:49,810
develop a CubeSat concept in ten weeks.

3
00:00:49,810 --> 00:00:55,880
Clayton Jacobs: CubeSat is a small satellite
that's self-contained, usually launched by

4
00:00:55,880 --> 00:00:57,940
universities or educational institutions.

5
00:00:57,940 --> 00:01:03,250
Liz Sauerbrunn: It's a fairly inexpensive
way to send instruments in to space and so

6
00:01:03,250 --> 00:01:06,990
I think that's the future of small satellites
is CubeSats.

7
00:01:06,990 --> 00:01:08,760
Liz Sauerbrunn: I'm really excited.

8
00:01:08,760 --> 00:01:13,009
As interns, we get to actually determine what
the mission will be, so we were just given

9
00:01:13,009 --> 00:01:17,770
a general idea and it was our job to define
everything about the CubeSat mission itself.

10
00:01:17,770 --> 00:01:21,860
Pat Kilroy: They need to come up with a concept
for a mission.

11
00:01:21,860 --> 00:01:28,490
They design the mission from scratch, and

then develop the hardware that it would take,

12
00:01:28,490 --> 00:01:33,250
all the way from concept to preliminary design
review.

13
00:01:33,250 --> 00:01:40,390
They will document that progress, which will
be handed off to the next group, and we'll

14
00:01:40,390 --> 00:01:45,270
see how many groups it might take, perhaps
one day we'll actually have flight hardware.

15
00:01:45,270 --> 00:01:50,680
Liz Sauerbrunn: I hope for that this project
we can have a final report and presentation

16
00:01:50,680 --> 00:01:55,790
where next summer they can pick it up and
know all of our designs, all of the decisions

17
00:01:55,790 --> 00:02:00,320
we've made and be able to seamlessly transition
into the next phase of the project.

18
00:02:00,320 --> 00:02:04,710
Alex Petrov: In school you're always working
on the same kind of structured material, hundreds

19
00:02:04,710 --> 00:02:07,930
of students have gone through the same assignments
before you, and I think it's really cool to

20
00:02:07,930 --> 00:02:11,630
just kind of go into unpaved territory and
make it up as we go along.

21
00:02:11,630 --> 00:02:16,441
I feel like it's very reminiscent of what

you will be seeing in industry.

22
00:02:16,441 --> 00:02:19,170
Clayton Jacobs: When you leave and you have an experience like this, you know how many

23
00:02:19,170 --> 00:02:25,090
kids get to say I was at NASA and I have things in space, you know, that I designed.