1
00:00:00,620 --> 00:00:08,740
[Music]

2
00:00:13,700 --> 00:00:17,800
[Background voices]

3
00:00:18,720 --> 00:00:23,820
>>One of the hardest things about the rover
missions here at NCAS is not necessarily the

4
00:00:23,820 --> 00:00:29,560
technical aspects of each individual part of our robot but also working together and coming together as a

5
00:00:29,560 --> 00:00:33,322
team in order to make decisions on the floor
for what we should do with the robot.

6
00:00:33,322 --> 00:00:36,760
The robot is just a tool but the people are what
drives it.

7
00:00:36,760 --> 00:00:41,000
>>Three, two, one, begin.

8
00:00:41,480 --> 00:00:46,800
[Background noises]

9
00:00:47,320 --> 00:00:52,260
>>We started out designing our rover and we
made it as efficient as possible for the terrain

10
00:00:52,270 --> 00:00:55,399
that they were giving us, so we used tracks
instead of wheels, so that we could go over rocks,

11
00:00:55,399 --> 00:00:56,980
that sort of thing.

12

00:00:56,980 --> 00:01:02,330
And then we programmed it so it was able to
scoop up rock samples.

13
00:01:02,330 --> 00:01:06,720
And we tested those and we were able to identify
different minerals with our programs using

14
00:01:06,720 --> 00:01:07,800
different sensors.

15
00:01:07,800 --> 00:01:13,090
>>This is definitely really close to work experience,
like a deadline or a project, you have to

16
00:01:13,090 --> 00:01:17,430
finish it, sometimes you have to stay up late at
the hotel, and work extra hours, you just

17
00:01:17,430 --> 00:01:18,900
have to get it done.

18
00:01:18,900 --> 00:01:21,390
And that's something the classroom definitely
would not give you.

19
00:01:21,390 --> 00:01:24,910
>>In class, there's a lot of theory and a lot
of understanding of why things do the things

20
00:01:24,910 --> 00:01:29,470
they do, but you don't really get experience
in building, and creating, and going off script

21
00:01:29,470 --> 00:01:32,979
and making something yourself, and feeling
like you're making something out of nothing.

22
00:01:32,979 --> 00:01:37,390
And that was something I've never really experienced

before in this context- and I really, really

23
00:01:37,390 --> 00:01:39,200
appreciate having that opportunity.

24
00:01:39,360 --> 00:01:43,880
[Background noises]

25
00:01:48,080 --> 00:01:52,460
[Cheering/moaning]

26
00:01:57,760 --> 00:02:02,860
[Music/Background noises]

27
00:02:08,280 --> 00:02:13,140
>>I was kind of taken by surprise with how much
passion there was in the workforce here.

28
00:02:13,140 --> 00:02:17,959
Every time I asked an employee questions,
they were always just instantly jumping forward

29
00:02:17,959 --> 00:02:21,540
and giving me lengthy explanations because
that's what they do and they all love it.

30
00:02:21,540 --> 00:02:25,379
>>This was one of the best experiences, academically
and professionally I've ever had.