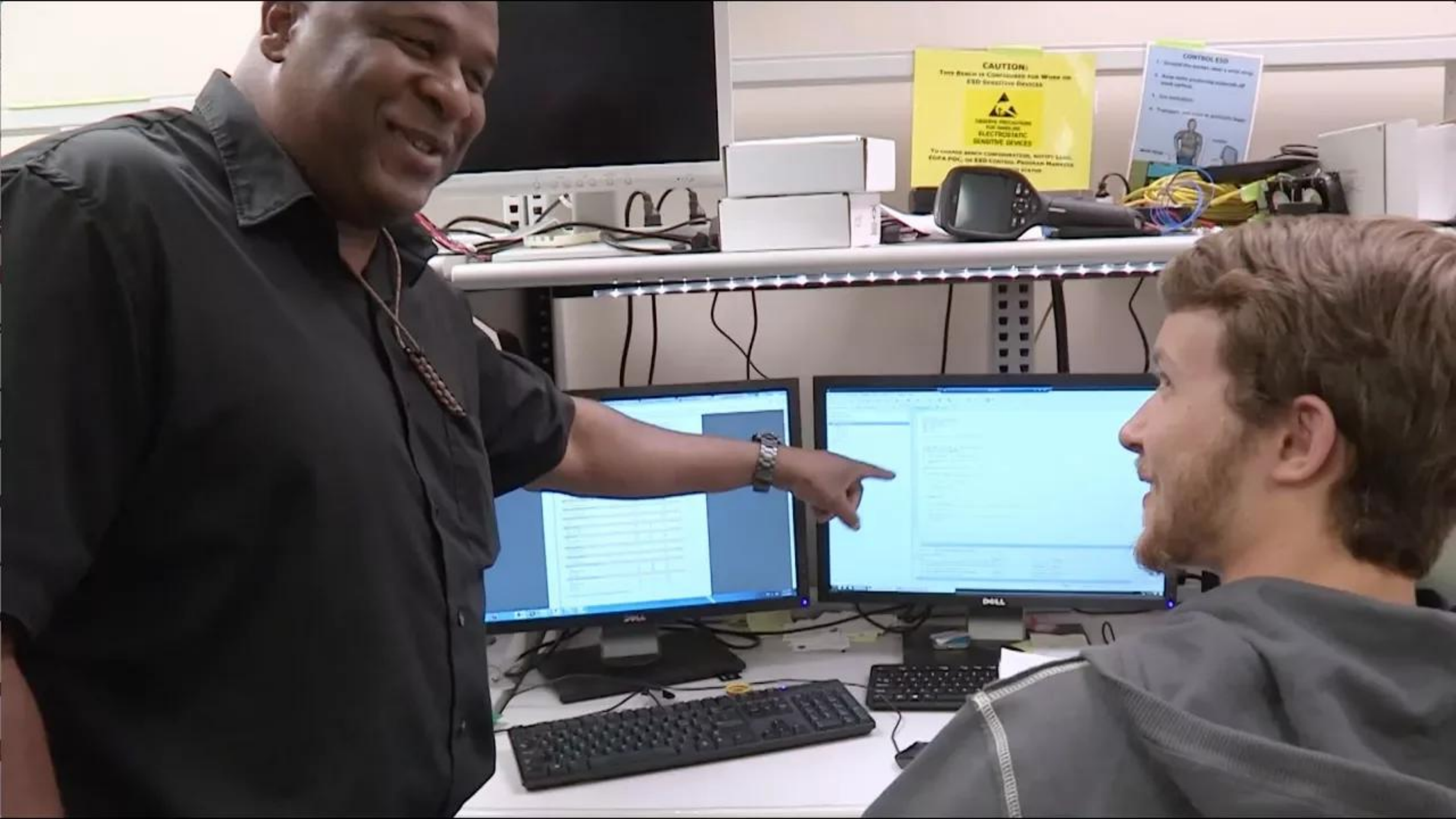
CAUTION:
ELECTROSTATIC
SENSITIVE DEVICES
CONTROL ESD
DELL
DELL

1
00:00:06,006 --> 00:00:08,509
>> My name is Heather Yoost,
I go to Penn State

2
00:00:08,509 --> 00:00:10,677
I'm from the Poconos,
Pennsylvania

3
00:00:10,677 --> 00:00:13,881
I'm studying Mechanical and
Biomedical Engineering.

4
00:00:14,181 --> 00:00:17,518
This summer I've been working to
model the glider in the

5
00:00:17,518 --> 00:00:20,521
Towed Glider Air Launch System,
(TGALS).

6
00:00:20,521 --> 00:00:24,458
And so this system consists of a
tow plane and a

7
00:00:24,458 --> 00:00:28,729
remotely piloted glider that
will carry a launch vehicle.

8
00:00:28,729 --> 00:00:30,898
So this system aims to

9
00:00:30,898 --> 00:00:34,868
launch a rocket booster
from high altitude.

10
00:00:34,868 --> 00:00:38,005
So I've been making different
gliders that will be

11

00:00:38,005 --> 00:00:41,208
evaluated in aerodynamic
analysis software.

12
00:00:41,208 --> 00:00:43,210
And so we want to see
which design will fit

13
00:00:43,210 --> 00:00:44,978
in our system the best.

14
00:00:45,145 --> 00:00:47,948
So this project is great
for NASA because

15
00:00:47,948 --> 00:00:50,918
if the system succeeds this
will help us efficiently

16
00:00:50,918 --> 00:00:53,387
launch small satellites
into space

17
00:00:53,387 --> 00:00:57,424
This will also improve
costs by forty percent.

18
00:00:57,557 --> 00:01:00,994
So the projects I got into
I had no experience

19
00:01:00,994 --> 00:01:03,497
working with any of that
and it was

20
00:01:03,497 --> 00:01:06,466
it was challenging but I learned
a lot and it’s really rewarding

21
00:01:06,466 --> 00:01:08,368

when you do finally
reach those goals

22
00:01:08,368 --> 00:01:11,471
and see what your work
is helping to achieve.

23
00:01:12,139 --> 00:01:16,410
>> A lot of companies
and entities look

24
00:01:16,410 --> 00:01:19,913
for that experience from
new graduate engineers

25
00:01:19,913 --> 00:01:22,349
and it’s important that
they get that experience.

26
00:01:22,349 --> 00:01:27,187
So it’s always fun for me to
work with interns because they

27
00:01:27,421 --> 00:01:29,756
do very good work.

28
00:01:29,823 --> 00:01:32,259
They’re able to
catch on quickly,

29
00:01:32,259 --> 00:01:34,361
they know the newer tools.

30
00:01:35,095 --> 00:01:38,031
They’ve taken the experience
here, and hopefully they're

31
00:01:38,031 --> 00:01:39,766
they’re taking it
to the classroom,

32
00:01:39,766 --> 00:01:41,868
where they wouldn't have
had that before.

33
00:01:43,770 --> 00:01:47,107
>> Working at NASA here has been
really an excellent experience.

34
00:01:47,107 --> 00:01:50,277
All the interns are given very
important projects,

35
00:01:50,277 --> 00:01:52,546
or projects that don't
make you feel like

36
00:01:52,546 --> 00:01:55,048
you're just there
to do menial labor.

37
00:01:55,148 --> 00:01:58,852
Every summer I'm given a project
that I can invest myself in

38
00:01:58,885 --> 00:02:01,254
and challenges me to learn
something new.

39
00:02:01,254 --> 00:02:04,858
It's never mundane and it's
never something boring

40
00:02:04,858 --> 00:02:07,828
or something that I find
exceptionally easy to do.

41
00:02:07,828 --> 00:02:09,529
There's always something
new and challenging.

42
00:02:10,130 --> 00:02:12,199
Working in the FOSS lab and
especially under Allen Parker

43
00:02:12,199 --> 00:02:14,434
has been an excellent
experience and

44
00:02:14,434 --> 00:02:17,304
one of the reasons I have stuck
with engineering and

45
00:02:17,304 --> 00:02:19,406
pursuing an engineering degree
is because of

46
00:02:19,406 --> 00:02:22,275
the people I work with and have
gotten to learn from here.

47
00:02:23,243 --> 00:02:28,148
>> NASA has opportunities
to invest in young people.

48
00:02:29,116 --> 00:02:34,421
Having that young spirit in the
lab, that young creative mind,

49
00:02:34,421 --> 00:02:36,156
is energizing for me.

50
00:02:36,156 --> 00:02:39,760
But having that passion,
that desire to learn, still,

51
00:02:39,760 --> 00:02:42,662
the creativity that they have
within the students,

52
00:02:42,996 --> 00:02:46,333
is contagious
and I really enjoy that.

53
00:02:46,333 --> 00:02:50,504
I enjoy fueling that passion,
fueling that creativity,

54
00:02:50,504 --> 00:02:53,607
and giving them opportunities to
exercise that in the lab.

55
00:02:54,841 --> 00:02:57,344
>> Armstrong's not like other
places. The mentors really do

56
00:02:57,344 --> 00:03:01,314
want to invest in you and they
really do see you as the future.

57
00:03:01,481 --> 00:03:03,617
And that's such a cool feeling
and it's such