1
00:00:00,506 --> 00:00:09,500
[Music]

2
00:00:11,796 --> 00:00:15,416
>> Kyle, all these have
to go to the common power.

3
00:00:15,416 --> 00:00:17,826
I never knew I wanted
to join the agency.

4
00:00:17,996 --> 00:00:19,936
I was a working mom.

5
00:00:20,506 --> 00:00:24,556
Education wasn't my strong
point, but I am smart,

6
00:00:25,506 --> 00:00:26,976
I am talented it turns out.

7
00:00:27,476 --> 00:00:28,736
Out of the chamber this way.

8
00:00:28,916 --> 00:00:32,236
I do have a purpose, beyond
being a mom, and that came later

9
00:00:32,236 --> 00:00:37,106
in life to learn that I could
be a mom and have a purpose.

10
00:00:37,366 --> 00:00:38,356
I'm April Torres.

11
00:00:38,476 --> 00:00:41,416
I'm an electronics
technician telemetry specialist

12
00:00:41,416 --> 00:00:42,456
at NASA Armstrong.

13
00:00:43,026 --> 00:00:48,126
I discovered I had an aptitude
for programming and software,

14
00:00:48,736 --> 00:00:51,346
once I started here,
and I think it had

15
00:00:51,346 --> 00:00:53,696
to do is I had a clean slate.

16
00:00:53,696 --> 00:00:58,046
I wasn't trained in anything, so
I was trainable, I was moldable.

17
00:00:58,436 --> 00:01:04,276
I had an extreme need to learn
and show that I had value

18
00:01:04,486 --> 00:01:06,786
and I was valuable for the team.

19
00:01:06,946 --> 00:01:10,076
Keep me on, so I was always
striving to do better.

20
00:01:10,136 --> 00:01:13,736
And whenever I saw a need,
I would always like kick in

21
00:01:13,736 --> 00:01:14,886
and say, "I can help,
I can help."

22
00:01:15,246 --> 00:01:17,476
My skillset kept growing,

and growing, and growing,

23
00:01:18,736 --> 00:01:20,876
which made me more
valuable to another team,

24
00:01:21,546 --> 00:01:24,246
and would make somebody
I worked with say, "Hey,

25
00:01:24,246 --> 00:01:25,386
you want her on your team."

26
00:01:26,966 --> 00:01:30,246
And that's one of the reasons I
ended up in the job I'm in now

27
00:01:30,876 --> 00:01:33,296
and because I was very
good at what I did,

28
00:01:33,816 --> 00:01:35,406
the instrumentation
branch loaned me

29
00:01:35,406 --> 00:01:39,826
out to the telemetry shop for
the first crew escape vehicle,

30
00:01:40,116 --> 00:01:43,966
Pad Abort Mission in order
to help them test all

31
00:01:43,966 --> 00:01:46,486
of the modules that were going
to be on board that system.

32
00:01:46,776 --> 00:01:47,786
>> Launch, launch, launch.

33
00:01:47,956 --> 00:01:50,686
>> By the time we were done
testing in the environmental lab

34
00:01:50,686 --> 00:01:53,526
and doing all the functional
checks after open covers,

35
00:01:53,996 --> 00:01:56,586
we were confident when
that system went off,

36
00:01:56,586 --> 00:01:57,666
it was going to be a system.

37
00:01:57,836 --> 00:01:58,736
>> Reorientation complete.

38
00:02:00,416 --> 00:02:00,736
Apogee.

39
00:02:03,126 --> 00:02:04,636
[Inaudible] jettison,
FEC jettison.

40
00:02:06,166 --> 00:02:08,766
>> We are currently
working on the second phase

41
00:02:09,096 --> 00:02:12,036
of the crew escape vehicle,
which is called the Ascent Abort

42
00:02:12,626 --> 00:02:16,486
and our setup is very involved.

43
00:02:16,906 --> 00:02:19,486
There's a lot of wires,
and a lot of connections,

44
00:02:20,356 --> 00:02:23,126
and a lot of points of
failure along the line.

45
00:02:24,216 --> 00:02:26,406
When we're testing
an environmental,

46
00:02:26,836 --> 00:02:30,406
we connect harnesses that
connect to each module.

47
00:02:30,796 --> 00:02:35,376
So, those harnesses are all
incorporated into a system

48
00:02:35,376 --> 00:02:39,086
that comes into our Omega system
that translates all the data

49
00:02:39,376 --> 00:02:41,046
from the voltage
and the millivolts

50
00:02:41,136 --> 00:02:44,536
that we were injecting, and
we're watching it on our side

51
00:02:45,586 --> 00:02:47,106
to see that there's no dropouts,

52
00:02:47,766 --> 00:02:49,756
there's no intermittent
failures,

53
00:02:49,826 --> 00:02:52,096
there's no complete failures.

54

00:02:53,076 --> 00:02:57,666
So, they put it through extremes
in environmental, thermal,

55
00:02:57,966 --> 00:03:01,976
vibration to ensure that
anything that gets put

56
00:03:01,976 --> 00:03:07,516
on an aircraft or a spacecraft
is going to succeed in flight,

57
00:03:08,206 --> 00:03:10,166
that it will work as expected.

58
00:03:10,726 --> 00:03:14,526
But you have to pay attention
to every little detail

59
00:03:14,526 --> 00:03:15,836
because if you miss one thing,

60
00:03:16,126 --> 00:03:17,376
it could be the reason
it failed.

61
00:03:18,506 --> 00:03:21,716
How privileged I am to
actually get to work

62
00:03:21,716 --> 00:03:25,286
at a place that's doing
the research we're doing

63
00:03:25,396 --> 00:03:29,236
and transforming things that are
going to happen in their future.

64
00:03:29,996 --> 00:03:31,766
I've actually had a part in it.

65
00:03:32,426 --> 00:03:34,456
My fingers just have
touched things