



1  
00:00:00,367 --> 00:00:10,610  
[ MUSIC ]

2  
00:00:10,610 --> 00:00:11,344  
>> I'M ORIGINALLY

3  
00:00:11,344 --> 00:00:12,712  
FROM THE NORTHERN BAY AREA

4  
00:00:12,712 --> 00:00:13,780  
IN CALIFORNIA.

5  
00:00:13,780 --> 00:00:14,914  
I DID MY UNDERGRADUATE

6  
00:00:14,914 --> 00:00:16,383  
AT U.C. BERKELEY.

7  
00:00:16,383 --> 00:00:17,016  
AFTER THAT, I MOVED

8  
00:00:17,016 --> 00:00:18,651  
TO MICHIGAN AND GOT MY Ph.D.

9  
00:00:18,651 --> 00:00:20,286  
AT THE UNIVERSITY OF MICHIGAN.

10  
00:00:20,286 --> 00:00:21,221  
MY Ph.D. WAS FUNDED

11  
00:00:21,221 --> 00:00:22,856  
BY A NASA PROJECT, AND

12  
00:00:22,856 --> 00:00:24,491  
DURING THAT TIME I WAS OFFERED

13  
00:00:24,491 --> 00:00:26,326

A CO-OP POSITION HERE AT GLENN.

14

00:00:26,326 --> 00:00:27,861

I ACCEPTED, AND

15

00:00:27,861 --> 00:00:28,762

AFTER I GRADUATED I BECAME

16

00:00:28,762 --> 00:00:30,096

A FULL-TIME EMPLOYEE.

17

00:00:30,096 --> 00:00:30,764

CURRENTLY I'M WORKING

18

00:00:30,764 --> 00:00:32,465

ON THE SPACE LAUNCH SYSTEM,

19

00:00:32,465 --> 00:00:34,467

OR SLS PROJECT.

20

00:00:34,467 --> 00:00:35,935

SLS IS VERY EXCITING.

21

00:00:35,935 --> 00:00:36,770

IT'S GOING TO BE THE LARGEST

22

00:00:36,770 --> 00:00:38,071

ROCKET AND MOST POWERFUL

23

00:00:38,071 --> 00:00:39,205

ROCKET EVER BUILT.

24

00:00:39,205 --> 00:00:39,973

IT'S GOING TO BE ABLE

25

00:00:39,973 --> 00:00:41,141

TO TAKE CARGO AND CREW

26

00:00:41,141 --> 00:00:42,776

INTO DEEP SPACE.

27

00:00:42,776 --> 00:00:44,277

THE FIRST UNMANNED LAUNCH

28

00:00:44,277 --> 00:00:46,579

IS SCHEDULED IN 2019.

29

00:00:46,579 --> 00:00:47,347

FOLLOWING THAT, WE'LL HAVE

30

00:00:47,347 --> 00:00:49,582

A CARGO MISSION IN 2022,

31

00:00:49,582 --> 00:00:51,017

AND THEN A CREWED LAUNCH

32

00:00:51,017 --> 00:00:52,719

IN 2023.

33

00:00:52,719 --> 00:00:53,386

THE FIRST LAUNCH IS

34

00:00:53,386 --> 00:00:54,454

A TEST FLIGHT TO MAKE SURE

35

00:00:54,454 --> 00:00:55,855

THAT EVERYTHING GOES OKAY.

36

00:00:55,855 --> 00:00:56,923

THE SECOND FLIGHT IS

37

00:00:56,923 --> 00:00:58,725

TO DELIVER THE EUROPA CLIPPER

38

00:00:58,725 --> 00:01:00,160

TO A MOON OF JUPITER

39

00:01:00,160 --> 00:01:03,263  
TO DO SOME OBSERVATIONS,

40

00:01:03,263 --> 00:01:04,697  
AND THEN THE THIRD ONE WILL BE

41

00:01:04,697 --> 00:01:06,933  
ACTUALLY THE CREWED LAUNCH

42

00:01:06,933 --> 00:01:08,268  
TO DELIVER PARTS

43

00:01:08,268 --> 00:01:10,270  
TO THE SPACE STATION.

44

00:01:10,270 --> 00:01:11,771  
SO I'M WORKING ON THIS PART

45

00:01:11,771 --> 00:01:12,806  
HERE, WHICH IS THE UNIVERSAL

46

00:01:12,806 --> 00:01:14,607  
STAGE ADAPTER, AND THIS HERE,

47

00:01:14,607 --> 00:01:15,608  
WHICH IS THE PAYLOAD

48

00:01:15,608 --> 00:01:16,843  
FAIRING, OR P.L.F..

49

00:01:16,843 --> 00:01:18,478  
SO A PAYLOAD IS SOMETHING

50

00:01:18,478 --> 00:01:19,479  
LIKE CARGO, SO IT'D BE

51  
00:01:19,479 --> 00:01:20,947  
SOMETHING LIKE A SATELLITE,

52  
00:01:20,947 --> 00:01:22,048  
OR PARTS, OR SOMETHING

53  
00:01:22,048 --> 00:01:23,283  
THAT-- SOME EQUIPMENT THAT

54  
00:01:23,283 --> 00:01:24,884  
WE WANT TO LAUNCH INTO SPACE.

55  
00:01:24,884 --> 00:01:25,718  
I'LL BE RECEIVING

56  
00:01:25,718 --> 00:01:27,554  
THE HENAAC MOST PROMISING

57  
00:01:27,554 --> 00:01:28,688  
HISPANIC ENGINEER AWARD

58  
00:01:28,688 --> 00:01:29,989  
FOR A Ph.D. DEGREE.

59  
00:01:29,989 --> 00:01:31,391  
I WAS NOMINATED BY MY TEAM

60  
00:01:31,391 --> 00:01:33,359  
LEAD, DR. STEVEN ARNOLD.

61  
00:01:33,359 --> 00:01:34,661  
AND FORTUNATELY,

62  
00:01:34,661 --> 00:01:35,962  
I WON THIS AWARD.

63  
00:01:35,962 --> 00:01:37,530

AND SO IT RECOGNIZES

64

00:01:37,530 --> 00:01:38,698  
MY TECHNICAL ACHIEVEMENT,

65

00:01:38,698 --> 00:01:39,933  
LEADERSHIP, AND INVOLVEMENT

66

00:01:39,933 --> 00:01:41,601  
IN COMMUNITY SERVICE.

67

00:01:41,601 --> 00:01:42,569  
SO THE AWARD WILL BE GIVEN

68

00:01:42,569 --> 00:01:43,970  
IN PASADENA IN OCTOBER,

69

00:01:43,970 --> 00:01:44,838  
AND I'M REALLY EXCITED.

70

00:01:44,838 --> 00:01:45,805  
SINCE IT'S IN CALIFORNIA,

71

00:01:45,805 --> 00:01:46,506  
I GET TO GO THERE

72

00:01:46,506 --> 00:01:47,407  
WITH MY FAMILY, SO

73

00:01:47,407 --> 00:01:49,175  
IT'S A GREAT OPPORTUNITY.

74

00:01:49,175 --> 00:01:50,410  
MY JOB IS GREAT.

75

00:01:50,410 --> 00:01:51,377  
THE RESEARCH THAT I DO,

76

00:01:51,377 --> 00:01:52,278

I HAVE A LOT OF FLEXIBILITY

77

00:01:52,278 --> 00:01:53,379

TO BE CREATIVE.

78

00:01:53,379 --> 00:01:54,681

AND THEN TO BE INVOLVED

79

00:01:54,681 --> 00:01:55,682

IN A PROJECT LIKE THIS

80

00:01:55,682 --> 00:01:56,483

WHERE SOMETHING IS

81

00:01:56,483 --> 00:01:57,684

ACTUALLY BEING BUILT,

82

00:01:57,684 --> 00:01:59,786

FOR ME, BEING A YOUNG ENGINEER,

83

00:01:59,786 --> 00:02:01,120

IS ABSOLUTELY EXCITING.

84

00:02:01,120 --> 00:02:02,889

IT'S A DREAM COME TRUE.

85

00:02:02,889 --> 00:02:03,957

SO TO LEARN MORE ABOUT NASA,