



1  
00:00:07,269 --> 00:00:05,269  
what made you pick mechanical

2  
00:00:09,509 --> 00:00:07,279  
engineering

3  
00:00:11,990 --> 00:00:09,519  
um

4  
00:00:15,110 --> 00:00:12,000  
it was the most i think mechanical

5  
00:00:18,070 --> 00:00:15,120  
i'm i think i'm very visual

6  
00:00:19,830 --> 00:00:18,080  
and to me chemical engineering was not

7  
00:00:21,590 --> 00:00:19,840  
visual electrical engineering was not

8  
00:00:22,710 --> 00:00:21,600  
visual but mechanical for the most part

9  
00:00:24,710 --> 00:00:22,720  
although then i started studying heat

10  
00:00:26,230 --> 00:00:24,720  
transfer which which ended up being my

11  
00:00:29,189 --> 00:00:26,240  
favorite

12  
00:00:30,630 --> 00:00:29,199  
and that part of it is not visual but

13  
00:00:33,350 --> 00:00:30,640

you know originally looking at all the

14

00:00:35,910 --> 00:00:33,360

disciplines of engineering mechanical

15

00:00:37,110 --> 00:00:35,920

was the closest to to the way my brain

16

00:00:39,350 --> 00:00:37,120

thought

17

00:00:41,270 --> 00:00:39,360

at the time and we did not i may have

18

00:00:42,549 --> 00:00:41,280

chosen aerospace engineering but the

19

00:00:44,790 --> 00:00:42,559

university of north dakota did not have

20

00:00:46,310 --> 00:00:44,800

that as an option which i think is fine

21

00:00:47,670 --> 00:00:46,320

because i think a mechanical engineering

22

00:00:49,190 --> 00:00:47,680

base

23

00:00:50,869 --> 00:00:49,200

can take you a lot of directions and

24

00:00:52,389 --> 00:00:50,879

obviously it can go to the aerospace or

25

00:00:53,750 --> 00:00:52,399

biomedical

26

00:00:55,510 --> 00:00:53,760

area

27

00:00:57,430 --> 00:00:55,520

so but mostly i think it was because of

28

00:00:59,110 --> 00:00:57,440

the visual nature that at least i

29

00:01:01,029 --> 00:00:59,120

anticipated it would be at the time when

30

00:01:02,549 --> 00:01:01,039

i chose

31

00:01:04,390 --> 00:01:02,559

so does that mean that when you have

32

00:01:05,590 --> 00:01:04,400

time you're good at fixing things like

33

00:01:06,710 --> 00:01:05,600

at home

34

00:01:09,030 --> 00:01:06,720

um

35

00:01:10,550 --> 00:01:09,040

i can yeah i don't know if you know i

36

00:01:13,670 --> 00:01:10,560

don't know if i'd qualify myself as good

37

00:01:15,749 --> 00:01:13,680

at it or not um

38

00:01:17,109 --> 00:01:15,759

the fact that you can

39

00:01:18,710 --> 00:01:17,119

well you know i just actually i actually

40

00:01:19,990 --> 00:01:18,720

really never knew that about myself

41

00:01:21,749 --> 00:01:20,000

because in my family we you know we

42

00:01:23,270 --> 00:01:21,759

called somebody they came they fixed it

43

00:01:25,510 --> 00:01:23,280

and it really wasn't until i was

44

00:01:27,910 --> 00:01:25,520

training for station that i said oh

45

00:01:30,230 --> 00:01:27,920

using tools it's just not that hard yeah

46

00:01:32,310 --> 00:01:30,240

and fixing it exactly so i remember the

47

00:01:33,590 --> 00:01:32,320

the first time i changed a tire on my

48

00:01:35,830 --> 00:01:33,600

car in fact i was an undergraduate

49

00:01:37,910 --> 00:01:35,840

student at the time and

50

00:01:39,830 --> 00:01:37,920

my car had a flat tire and i'm at my

51  
00:01:41,190 --> 00:01:39,840  
apartment i have to do something i was

52  
00:01:42,710 --> 00:01:41,200  
like well

53  
00:01:44,870 --> 00:01:42,720  
and and i remember some of my friends

54  
00:01:47,590 --> 00:01:44,880  
well why didn't you call

55  
00:01:49,270 --> 00:01:47,600  
there's directions

56  
00:01:51,429 --> 00:01:49,280  
you know i followed the directions and i

57  
00:01:53,590 --> 00:01:51,439  
was surprised how easy it was this is

58  
00:01:54,870 --> 00:01:53,600  
really really simple to change this tire

59  
00:01:56,469 --> 00:01:54,880  
and why didn't i do it when i was in

60  
00:01:58,230 --> 00:01:56,479  
high school i could have you know it's

61  
00:01:59,590 --> 00:01:58,240  
that simple but it just it just wasn't

62  
00:02:01,270 --> 00:01:59,600  
something i did and

63  
00:02:03,670 --> 00:02:01,280

and i i wouldn't say that i've done a

64

00:02:05,590 --> 00:02:03,680

lot of fixing things you know

65

00:02:07,270 --> 00:02:05,600

you know a lot of times it's the balance

66

00:02:09,510 --> 00:02:07,280

of do you have the time to do it

67

00:02:10,710 --> 00:02:09,520

or the money to pay somebody you know

68

00:02:12,390 --> 00:02:10,720

even though you have the capability to

69

00:02:14,070 --> 00:02:12,400

do it you just don't because there's

70

00:02:15,670 --> 00:02:14,080

other things you'd rather do but

71

00:02:17,190 --> 00:02:15,680

i feel that i could

72

00:02:18,790 --> 00:02:17,200

if i needed to

73

00:02:20,550 --> 00:02:18,800

a lot of things

74

00:02:21,990 --> 00:02:20,560

i mean the fact that you're up there

75

00:02:24,309 --> 00:02:22,000

fixing things on the space station i

76  
00:02:26,470 --> 00:02:24,319  
mean things break things need maintained

77  
00:02:28,309 --> 00:02:26,480  
and the fact that you're up there

78  
00:02:30,949 --> 00:02:28,319  
doing it with your

79  
00:02:32,710 --> 00:02:30,959  
hair all big and wild

80  
00:02:34,470 --> 00:02:32,720  
is really going to speak to a whole

81  
00:02:36,070 --> 00:02:34,480  
generation of girls who are just going

82  
00:02:38,470 --> 00:02:36,080  
to think it's really normal to be the

83  
00:02:40,070 --> 00:02:38,480  
one that fixes things that's great i

84  
00:02:42,790 --> 00:02:40,080  
think that's great

85  
00:02:45,270 --> 00:02:42,800  
i hope that what we do in space can

86  
00:02:48,390 --> 00:02:45,280  
reach those girls that may not think

87  
00:02:49,670 --> 00:02:48,400  
that that's a possibility

88  
00:02:52,229 --> 00:02:49,680

what do you what do you think it'll be

89

00:02:55,270 --> 00:02:52,239

like to be the only woman on the crew

90

00:02:55,990 --> 00:02:55,280

well i was you know for sts-124

91

00:02:58,630 --> 00:02:56,000

and

92

00:03:00,149 --> 00:02:58,640

actually having started engineering when

93

00:03:01,910 --> 00:03:00,159

i was

94

00:03:05,990 --> 00:03:01,920

18 19 years old

95

00:03:07,589 --> 00:03:06,000

i was always one of 20 or fewer females

96

00:03:09,910 --> 00:03:07,599

oftentimes the only girl in the class

97

00:03:11,030 --> 00:03:09,920

sometimes one of two or three girls in

98

00:03:13,430 --> 00:03:11,040

the class

99

00:03:14,790 --> 00:03:13,440

my engineering graduating class

100

00:03:17,509 --> 00:03:14,800

i don't know somewhere between 15 and 20

101  
00:03:19,030 --> 00:03:17,519  
percent of us were females and so it's

102  
00:03:21,589 --> 00:03:19,040  
just normal to me

103  
00:03:22,949 --> 00:03:21,599  
it doesn't seem unusual and i think just

104  
00:03:26,229 --> 00:03:22,959  
because

105  
00:03:28,630 --> 00:03:26,239  
you know starting at that age i was

106  
00:03:30,710 --> 00:03:28,640  
in groups where it was mostly mostly

107  
00:03:32,630 --> 00:03:30,720  
boys or men

108  
00:03:34,630 --> 00:03:32,640  
it doesn't seem

109  
00:03:36,789 --> 00:03:34,640  
unusual to be a part of a crew that i'm

110  
00:03:39,350 --> 00:03:36,799  
the only female it's kind of standard

111  
00:03:41,110 --> 00:03:39,360  
for the way i've known things to be

112  
00:03:42,949 --> 00:03:41,120  
what do you think girls today need to

113  
00:03:46,710 --> 00:03:42,959

know that they don't know like what

114

00:03:48,710 --> 00:03:46,720

would you encourage them about

115

00:03:49,750 --> 00:03:48,720

i think it's important the girls know

116

00:03:53,830 --> 00:03:49,760

they can

117

00:04:00,550 --> 00:03:53,840

person

118

00:04:02,869 --> 00:04:00,560

they can still enjoy girl things

119

00:04:05,190 --> 00:04:02,879

you don't you know just because you like

120

00:04:07,509 --> 00:04:05,200

girl things to sew you like pretty

121

00:04:09,110 --> 00:04:07,519

dresses whatever it happens to be you

122

00:04:11,190 --> 00:04:09,120

can still be

123

00:04:15,350 --> 00:04:11,200

the smart person who can figure things

124

00:04:16,469 --> 00:04:15,360

out and who can get dirty and fix things

125

00:04:18,150 --> 00:04:16,479

and

126

00:04:20,789 --> 00:04:18,160

you don't have to be one or the other

127

00:04:22,390 --> 00:04:20,799

there's a combination that you can be

128

00:04:23,670 --> 00:04:22,400

and i think that's important for girls

129

00:04:25,590 --> 00:04:23,680

to know that they

130

00:04:27,510 --> 00:04:25,600

there might be a perception that if you

131

00:04:29,510 --> 00:04:27,520

choose engineering

132

00:04:31,670 --> 00:04:29,520

you're you're not you're giving up

133

00:04:33,749 --> 00:04:31,680

something i don't know and and i just i

134

00:04:35,110 --> 00:04:33,759

hope the girls don't think that but if

135

00:04:36,310 --> 00:04:35,120

they do i would like to be able to show

136

00:04:37,830 --> 00:04:36,320

them that

137

00:04:39,510 --> 00:04:37,840

you can be both

138

00:04:41,189 --> 00:04:39,520

it's possible

139

00:04:43,110 --> 00:04:41,199

what about having a family do you think

140

00:04:44,550 --> 00:04:43,120

you have to choose

141

00:04:45,909 --> 00:04:44,560

no

142

00:04:48,070 --> 00:04:45,919

i don't think you have to choose i think

143

00:04:49,189 --> 00:04:48,080

it's important that

144

00:04:51,030 --> 00:04:49,199

you have

145

00:04:52,950 --> 00:04:51,040

you know that your husband is obviously

146

00:04:55,270 --> 00:04:52,960

on the same page

147

00:04:57,189 --> 00:04:55,280

and and believes the same the same way

148

00:04:59,830 --> 00:04:57,199

that you do about it and

149

00:05:02,550 --> 00:04:59,840

supports what you're doing but

150

00:05:05,830 --> 00:05:02,560

i think absolutely it can work

151

00:05:07,670 --> 00:05:05,840

you can be a supportive mother be

152

00:05:08,950 --> 00:05:07,680

a good mother

153

00:05:10,710 --> 00:05:08,960

and still