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00:00:14,330 --> 00:00:20,330

Bob Frederick: Hi, I'm Bob Frederick the director of the UAH Propulsion Research Center.

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00:00:20,410 --> 00:00:20,670

I'd like to talk to you a little bit today about our students and their dreams and how

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00:00:25,950 --> 00:00:26,233

higher education and NASA research can help them fulfill those dreams

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00:00:30,200 --> 00:00:33,066

and where they plan on going in the future.

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00:00:33,350 --> 00:00:35,830

Shawn Ikard: I was always interested in space so I knew I wanted to do something that involved propulsion.

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00:00:37,870 --> 00:00:38,446

Caroline Hood: I was just watching TV and the news came up about NASA and all the cool stuff that they did a

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00:00:45,560 --> 00:00:45,720

my parents that I want to work for NASA someday.

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00:00:48,600 --> 00:00:49,840

Chad Eberheart: When I was young I always dreamed of being a fighter pilot.

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00:00:52,360 --> 00:00:54,093

Tony Marshall: My class took a field trip to the Marshall Space Flight Center

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00:00:55,760 --> 00:00:56,430

to Space Camp, I looked over at a friend of mine and I said I want to do that some day.

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00:01:00,890 --> 00:01:07,756

Huy Hunh: My childhood dream was to become a pilot

or an astronaut and now that dream is being fulfilled

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00:01:12,430 --> 00:01:13,180
with NASA supplying
me with an education and research experience

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00:01:15,880 --> 00:01:18,133
that is going to help astronauts be sent
into space. I'm getting great research

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00:01:18,960 --> 00:01:20,233
experience and design experience that is
going to help me in the job field later.

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00:01:23,020 --> 00:01:23,290
I can imagine the best benefit that NASA has is that
they are also getting some very viable research

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00:01:29,350 --> 00:01:33,750
for future design of injectors
and future design of rocket engines.

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00:01:34,760 --> 00:01:37,550
Ashley Penton: Oh, when I was a kid I wanted to be
an engineer just like my daddy. You know, I was always

18
00:01:38,970 --> 00:01:39,573
interested in science and chemistry
and mathematics especially. We are looking

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00:01:43,500 --> 00:01:44,163
at burn rates for solid propellants and it
is helping NASA because they are

20
00:01:47,770 --> 00:01:49,633
actually looking at using solid propellants
for some of their future rockets. In the

21
00:01:51,440 --> 00:01:55,973
laboratory, I get to build solid

propellant samples and put them into

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00:01:56,300 --> 00:02:01,100

a pressure vessel and then we get to test those samples and analyze a lot

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00:02:01,570 --> 00:02:01,983

of data which involves a lot of mathematics.

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00:02:04,090 --> 00:02:09,490

I want to be a rocket scientist and working in PRC I'm getting to fulfill that.

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00:02:09,490 --> 00:02:14,223

John Brooks: When I was young, I wanted to...

I don't know I was more

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00:02:14,480 --> 00:02:15,013

of an explorer, more of an adventurer.

I wanted to reach out into

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00:02:18,280 --> 00:02:19,680

the unknown and find something new.

As I got older and got into college,

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00:02:21,680 --> 00:02:22,136

I found out that I liked engineering, science and math and it was such a really

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00:02:26,490 --> 00:02:27,216

good outlet to be able to come here and for NASA and Huntsville to both give me the

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00:02:31,230 --> 00:02:31,490

opportunity to be able to work on furthering my aspirations of adventure and, I mean,

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00:02:36,570 --> 00:02:38,276

think about it, years from now we will be exploring the stars and this is the first step.

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00:02:40,730 --> 00:02:42,303

Dr. Kader Frendi: When I grew up, and this is 7,000 miles away from here, I looked up in the sky during the Apollo days,

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00:02:47,090 --> 00:02:48,710

I looked up in the sky and I said to myself, "I want to work for the organization that sends

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00:02:51,670 --> 00:02:51,743

people up there." And guess what? That dream stayed alive and I just kept going and going and

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00:02:57,930 --> 00:02:58,076

going and I did work for NASA. I work for NASA, I still work for

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00:03:02,050 --> 00:03:05,583

NASA even as a professor so never give up your dreams.

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00:03:06,870 --> 00:03:07,190

I mean, just keep going.

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00:03:08,150 --> 00:03:09,086

Ashley: I want to be a rocket scientist.

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00:03:09,880 --> 00:03:10,836

John: I think we have a great future.

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00:03:11,390 --> 00:03:13,273

Huynh: I'm happy that I was able to get this opportunity.

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00:03:13,440 --> 00:03:15,333

This is what I like to do and this is what I want to continue to do.

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00:03:16,080 --> 00:03:17,633

Jason Bush: I hope to do this the rest of my life.

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00:03:17,860 --> 00:03:21,226

Bob Frederick: When I was a child, people were going to the moon. And so it is no surprise that after growing u

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00:03:22,160 --> 00:03:27,893

an environment like that I was able to
go to college and universities and get my hands

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00:03:28,230 --> 00:03:29,550

on things and now I end up in the beautiful
position of being a director of a research center

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00:03:33,110 --> 00:03:35,043

at a college where I can help other young people
achieve their childhood dreams of working on rockets

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00:03:37,910 --> 00:03:40,376

and being in the propulsion industry.