



1  
00:00:16,029 --> 00:00:18,279  
Education was a  
big part of my life.

2  
00:00:18,279 --> 00:00:19,980  
My mother was a teacher.

3  
00:00:19,980 --> 00:00:21,740  
I was constantly reading books.

4  
00:00:21,740 --> 00:00:23,390  
She was bringing things  
home for me to read

5  
00:00:23,390 --> 00:00:25,539  
and just involved  
in that regard.

6  
00:00:25,539 --> 00:00:26,539  
And it was fun.

7  
00:00:26,539 --> 00:00:27,539  
I mean, the school  
that I went to,

8  
00:00:27,539 --> 00:00:29,980  
we competed to get the  
highest grades on tests.

9  
00:00:29,980 --> 00:00:32,390  
It wasn't something  
that you didn't like

10  
00:00:32,390 --> 00:00:34,550  
or were forced to, we liked it.

11  
00:00:34,550 --> 00:00:35,550  
And we enjoyed it.

12

00:00:35,550 --> 00:00:39,920

And that just helped propel and  
push me towards being my best

13

00:00:39,920 --> 00:00:41,190

and just constantly  
pushing myself

14

00:00:41,190 --> 00:00:44,469

to be the best person  
that I could be.

15

00:00:44,469 --> 00:00:46,829

I am Ryan Warner, and  
I'm an Aerospace Engineer

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00:00:46,829 --> 00:00:49,760

at NASA Armstrong  
Flight Research Center.

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00:00:49,760 --> 00:00:51,469

I currently work on  
the AFCS project.

18

00:00:51,469 --> 00:00:54,140

That stands for Assurance  
of Flight Critical Systems.

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00:00:54,140 --> 00:00:58,050

This is the platform that  
researchers would come and use.

20

00:00:58,050 --> 00:01:01,609

They would take their health  
models, their actuator models,

21

00:01:01,609 --> 00:01:03,149

place it in our simulated  
environment.

22

00:01:03,149 --> 00:01:06,880

They could tweak it and  
change things as they need to.

23

00:01:06,880 --> 00:01:08,460

And then once they're  
comfortable with that,

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00:01:08,460 --> 00:01:12,619

we can stick it into real  
hardware in the loop,

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00:01:12,619 --> 00:01:14,090

something that would be used

26

00:01:14,090 --> 00:01:16,890

in a commercial airliner  
for example.

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00:01:16,890 --> 00:01:18,310

And they have really  
good confidence

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00:01:18,310 --> 00:01:20,970

that what they are developing  
at school, universities,

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00:01:20,970 --> 00:01:22,500

and so forth has real

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00:01:22,500 --> 00:01:25,270

What's going on Mike?

31

00:01:25,270 --> 00:01:27,340

Oh, hey Ryan.

32

00:01:27,340 --> 00:01:28,340

Hey.

33

00:01:28,340 --> 00:01:29,340

Yeah.

34

00:01:29,340 --> 00:01:30,680

This is

this problem I was --

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00:01:30,680 --> 00:01:31,680

OK.

36

00:01:31,680 --> 00:01:33,082

An average day for

me is I am here at work

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00:01:33,082 --> 00:01:35,640

about 6:30, 6:45 in the morning.

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00:01:35,640 --> 00:01:38,729

I'm going through

our models and see

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00:01:38,729 --> 00:01:39,729

if the model is working

correctly.

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00:01:39,729 --> 00:01:42,270

I'm running the model and

so forth just trying to see

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00:01:42,270 --> 00:01:44,979

if anything has changed.

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00:01:44,979 --> 00:01:49,151

I'm doing testing on the model

just trying to compare it

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00:01:49,151 --> 00:01:51,579

to requirements that

we've set up.

44

00:01:51,579 --> 00:01:54,180

And then interacting  
with other coworkers.

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00:01:54,180 --> 00:01:57,170

We have someone who is more  
dedicated to the hardware side

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00:01:57,170 --> 00:01:58,740

of things, another coworker

47

00:01:58,740 --> 00:02:00,549

who is working the  
software side with me.

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

OK.

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00:02:01,549 --> 00:02:03,700

So, the air data,  
that's working correctly.

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00:02:03,700 --> 00:02:07,259

But stabilator is  
still a problem.

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00:02:07,259 --> 00:02:08,259

Yeah.

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00:02:08,259 --> 00:02:09,789

And the only thing that I  
can think of that would behave

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00:02:09,789 --> 00:02:11,900

like that in software would be.

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00:02:11,900 --> 00:02:14,730

When I am not at work I enjoy

triathlon, which consists

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00:02:14,730 --> 00:02:16,730

of running, biking,  
and swimming.

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00:02:16,730 --> 00:02:19,320

I enjoy just the  
challenge of it.

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00:02:19,320 --> 00:02:21,780

It was something that I  
didn't think I could do.

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00:02:21,780 --> 00:02:22,980

And then I did my first one.

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00:02:22,980 --> 00:02:23,980

And then that was great.

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00:02:23,980 --> 00:02:26,340

And then I wanted to do better,  
so I did another one and trying

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00:02:26,340 --> 00:02:27,860

to do better, and  
then third, fourth,

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00:02:27,860 --> 00:02:29,230

fifth, sixth, and so forth.

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00:02:29,230 --> 00:02:30,940

So, just the preparation.

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00:02:30,940 --> 00:02:33,620

Just the training  
that goes into it.

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00:02:33,620 --> 00:02:36,870

Just the satisfaction of  
finishing, doing something

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00:02:36,870 --> 00:02:39,909

that you didn't think  
that you could before.

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00:02:39,909 --> 00:02:43,409

As a kid I was always  
drawing airplanes and robots

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00:02:43,409 --> 00:02:45,610

and submarines and this  
and the other things.

69

00:02:45,610 --> 00:02:48,840

So, that kind of helped focus  
me on picking up airplanes