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00:00:04,799 --> 00:00:05,799

My name is Charles Doxley.

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00:00:05,799 --> 00:00:07,240

I work at the NASA Glenn Research Center for the avionics division.

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I'm an electronics engineer, and I work for the compatibility test sets project.

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I have a Bachelor's Degree in Mathematics from Albany State University in Albany, Georgia

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and a Master's Degree from Tuskegee University in Tuskegee, Alabama.

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Compatibility test sets project is the next generation compatibility test set which is

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replacing the compatibility test sets van, and what we do is we test future space radios

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to make sure they are compatible with the TDRSS tracking and data relay satellite system.

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So they don't cause damage when you connect to them.

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00:00:28,560 --> 00:00:30,119

The opportunity to work at NASA seemed so exciting to me that I actually held off the

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completion of my thesis and came to NASA Glenn Research Center and worked three co-op rotations

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consecutively just so I can have an opportunity at a job.

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And once I was done with my co-ops, I was hired on directly after I went back to Tuskegee

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for two weeks and presented my master's thesis.

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I think Black History month is extremely important.

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00:00:42,590 --> 00:00:43,590

One of the most important things about the current state of Black History Month is just

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learning about our heritage and what we've come from and the struggles that African-Americans

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00:00:44,590 --> 00:00:46,500

have been through to get to the point that they are today.

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00:00:46,500 --> 00:00:48,239

To now understand that anything is possible.

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We see African-American presidents—President, Barack Obama.

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00:00:49,239 --> 00:00:50,239

We see African-American Superbowl champions, Russell Wilson.

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So now, the goal in the African-American community, and about just black history in general, should

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00:00:55,260 --> 00:00:57,550

be understanding that anything is possible, but how can we make things more probable.

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We need more youth involved in STEM in general—science, technology, engineering, and mathematics—whether

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00:00:59,589 --> 00:01:02,530

they're black, white, Asian, Latino, Native American.

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00:01:02,530 --> 00:01:04,860

Currently, in America we're in the technology age.

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00:01:04,860 --> 00:01:15,100

So, if we want to continue to grow and be one of the leading nations in the world, we

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00:01:15,100 --> 00:01:17,550

have to invest in STEM and our young people in STEM.