

GIRLS IN STEM

STEM STAR



ALISHA DAVIS-KENT | **AEROSPACE ENGINEER, GE**

BS INDUSTRIAL ENGINEERING, MS ENGINEERING MANAGEMENT FROM THE UNIVERSITY OF LOUISVILLE

WHAT DO I DO AND ITS IMPACT ON THE WORLD?

At GE Aerospace I work to invent the future of flight through our test organization. By incorporating advanced design and technology into the structure of our engines, we are able to improve the efficiency of commercial flight and the impact it has on our environment. I believe the greatest impact that I am making on the world is continuously learning how to grow and develop skills that helps me better serve the people around me. Currently that is within the Aerospace industry, where I support improvements in commercial flight through the design and technology of the aircraft engine. Our engineers build jet engines that ensure safe and sustainable travel around the world! I also support a community initiative, Next Engineers, that introduces students to engineering concepts and career paths. I am particularly passionate about supporting initiatives such as this because I believe that as the world continues to evolve, we will need new perspectives, diverse experiences, and innovative solutions to tackle the world's challenges.



WHAT IS A TYPICAL DAY LIKE IN YOUR JOB?

As an Evaluation Engineer a typical day consists of test support. This requires effective communication, strategic planning, and optimized resource allocation to ensure we are able to produce the data needed to further the advancement of our hardware and technology. I am either coordinating the assembly of our engines or facilitating what information is needed to carry out ground test simulations. But I like to start the day at least with a cup of coffee.

ARE THERE ARE ANY ADVANTAGES TO BEING A WOMAN IN YOUR FIELD? HAVE YOU HAD TO OVERCOME ANY CHALLENGES AS A WOMAN IN YOUR FIELD?

From my experiences being a woman has allowed me to approach a lot of challenges with a different perspective than my counterparts. I am also a bit more detail oriented than some of my male peers, which I would like to attribute to my female superpowers. It can be tough working in a field where I physically am not apart of the majority, but that is when I remember that is exactly why I need to be there! If there is only a continuity of thought and methodology, it will be tough for us to keep up with the ever-evolving challenges that the world proposes.

Helpful STEM Resources:

Aviation For Girls: Features content tracks for elementary, middle school, and high school students, including a monthly magazine, aerospace instructional activity videos and scholarship information.

Upcoming GIS Events:

Our next **Girls in STEM** event is Friday, April 28, 6-8 pm – Register [here](#). The event is sponsored by GE and will be hosted at their Aviation Learning Center. Join the materials engineers at GE Aerospace to experience how the materials work that make up our world!

FUN FACT: The CF6, GE's first commercial widebody powerplant, remains the longest running jet engine program in commercial aviation.

FUN FACT: According to an online study, only 9% of first Generation College Students go on to graduate with a STEM degree.

FUN FACT: As of 2020, women make up 28% of the workforce in STEM related fields.

