STEM SPOTLIGHT

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Q How did you select your college major?

A I always loved Mathematics and Science while attending high school; so I decided to pursue a career in engineering which was a great median between the two.

Q What was the biggest influence in your selection of major/ career?



Q If you could go back to high school and select any elective course to take that would have better prepared you for college, what would it be?

A While in high school I took several honors courses as well

A I knew I wanted to pursue a career in engineering but I wasn't sure which one. After working with Electrical Engineers during the summer as a summer hire with the US Army Corps of Engineers – Memphis District, I decided to make Electrical Engineering my major. Furthermore, upon completing my course work I decided to add Computer Engineering to provide more versatility when applying for jobs. as advanced courses such as: AP Chemistry, AP Biology, AP History, Trigonometry, Calculus, Geometry, Physics and Honors English. I took of advantage of all the classes that would be a challenge to me but I wished there were just a few more classes in the arena that related to Engineering. So, I would propose to have more classes added to the curriculum that are closer to field of Engineering.

Q What is your favorite aspect of your job?

A I have several aspects that I love about my job and it is hard to pinpoint just one, so to name a few:
Being able to work with a team on a consistent basis.

• There are always new and different projects to explore.

• Multiple opportunities to travel around the world.

• Coworkers are a pleasure to work with.

Q How do you/your company make a positive impact on society/our community?

A The US Army Corps of Engineers -Memphis District are accountable for maintaining and improving 355 miles of the Mississippi



River main channel from Cairo, Illinois to the mouth of the White River. We maintain levees functionality for over 640 miles of mainline levees along the Mississippi River and its tributaries, 8 inland harbors, and 254 miles of navigation channel on the White River in Arkansas to make sure the citizens of the Mississippi River Basin are safe.

Q What is the most interesting thing you have been able to do in your career?

A In October of 2011, I was able to travel and work in Kandahar, Afghanistan for 6 months as an Electrical Engineer. While working in Afghanistan I was responsible for designs and design reviews for various projects in the District to support the development of Afghanistan.



Q What makes you get up each morning excited about your profession?

A I enjoy the challenges that transpire daily. These challenges allow me to think critically and solve the problem(s) based on engineering principles.

Q How does your career incorporate STEM (Science, Technology, Engineering, and Math)?

A All of the areas listed in STEM are pertinent workforces within the US. They contribute greatly to the development of technology. Moreover, research has shown that Science, Engineering, and Math disciplines possess a higher intellectual ability than most majors. Each of the discipline plays an integral part and contribution to society. Without the

coexistence and hard work of all four disciplines it would be almost impossible for the US to continue emerging as a Global Leader.

QWhat advice would you like to share with K-12 students who are considering your profession?

A Utilize the time you have in high school to strengthen your math and science skills. This will help you to comprehend the engineering principles more easily once you enter college. In addition, this

will produce an additive effect making you a better student and future engineer.



