

February 2019



TIANA

High School Apprenticeship Program (HSAP)

I'm a High School junior, selected for an after-school, year-long sciences seminars spanning topics from bio-mimicry to rocketry.

TELL US SOMETHING INTERESTING ABOUT YOU

I work as a tour guide for a historical preservation not-for-profit organization. I also give violin performances for senior citizens.

BEST THINGS ABOUT THE PROGRAM

There are so many 'best things' about the apprenticeship! Learning the details of cell structure and processes, advancing my research skills, applying concepts I learned in school in a laboratory setting. Enhancing my public speaking and presentation skills. My mentor, Dr. Shen, had great expertise but also a good sense of humor, which helped us get through the complex material.

HOW HAS PARTICIPATING IN AEOP INSPIRED YOU TO ADVANCE IN STEM

AEOP provided hands-on experience in a research lab early in my high school career. This apprenticeship has opened my eyes to the possibilities. The more I learn, the more I see what is possible. I view STEM, particularly science, as a way to find answers and solve problems. The more you learn within and across the branches of science, the more connections you make and the more equipped you are to produce research of value. Your discovery can contribute to solving world problems.

WORDS OF ADVICE

Go for it! The AEOP experience is invaluable. You will learn and grow, expand on your classroom knowledge and develop skills through hands-on research. Experts will mentor you on material not taught in a typical classroom. I am thankful for this opportunity and highly recommend AEOP programs!

February 2019



SURAJ

JUNIOR SCIENCE AND HUMANITIES SYMPOSIA (JSHS)

I am a Senior in high school and hope to pursue a career as a physician.

WORDS OF ADVICE

If you are considering participating in an AEOP program, I highly recommend doing so. The experiences that you will have can change your life, and you will learn more through experiential learning than in a traditional setting. Take a leap into STEM and watch as the doors open for you.

BEST THINGS ABOUT THE PROGRAM

JSHS was an amazing experience because it gave me an opportunity to share my research with my peers and military researchers. In addition, the friends that I met at the Junior Science and Humanities Symposium [JSHS] have become some of my closest friends. Meeting like-minded student researchers was an incredible opportunity to not only bond with others but also to discover some of the groundbreaking research being done around the country. Furthermore, traveling around the country to present my research gave me a broader perspective about the impact that I can make with my research in the STEM field.

HOW HAS PARTICIPATING IN AEOP INSPIRED YOU TO ADVANCE IN STEM

Seeing all of the incredible research at JSHS has inspired me to push the limits of science and technology. JSHS has motivated me to pursue my passion as I have realized that my contributions can make a real impact in the world. JSHS was also an incredibly enjoyable experience and the fun I had while traveling and bonding with my friends has encouraged me to pursue the exciting field of STEM.

WHO IS YOUR FAVORITE STEM ROLE MODEL?

My STEM role model is Thomas Savery because his invention of the steam engine ignited a technological revolution and created the basis for modern machines.