aeop
ARMY EDUCATIONAL OUTREACH PROGRAM

HIGH SCHOOL
Apprenticeships

What do cutting edge research, state-of-the-art laboratory facilities and unparalleled access to professional scientists & engineers have in common?

AEOP High School Apprenticeships!

Spend your summer in a university research lab or in one of the U.S. Army Research Laboratories and Centers and experience firsthand the **innovation** and **research** that is driving the **future** of our country.

Do something **meaningful** this summer to prepare you for competitive college admissions and the next step in your **STEM** journey.

APPLY TODAY!

Why participate in an AEOP Apprenticeship?

- Stand out from your peers and **gain a competitive edge** as you prepare for college admissions and your career.
- Not only will you gain exposure to high-tech equipment and technologies, but you will **learn the culture of STEM** and what it's like to work in a lab .
- Access to **professional mentors** – working scientists and engineers who can guide and coach you, allowing you to get a head start on building your professional network of STEM contacts.
- Access to **near peer mentors** – current undergraduate or graduate students who have recently been in your shoes and can help guide you on your journey.
- Attend **webinars on a variety of topics relevant to exactly where you are in your STEM journey** – topics ranging from building your college -readiness and professional skills to hot STEM careers and research.
- **Earn a stipend** in recognition of your work.

Eligibility and More:

- Must be a U.S. citizen or permanent legal resident.
- Must be enrolled in high school.
- Other eligibility requirements determined by location.
- This opportunity is for commuting students only. Program does not supply allowance for housing, meals, or travel.
- Apprenticeships take place onsite unless otherwise noted.

LOCATION INFORMATION :

Address: ECE department, The University of Arizona, 1230 Speedway Blvd., Tucson, AZ 85721

Contact: Drs. Ming Li (lim@arizona.edu) and Loukas Lazos (llazos@arizona.edu);

Description: This project focuses on enhancing the security of wireless networks, specifically, establishing trust (secure communications) among wireless devices to protect them from cyber-attacks. Example application domains include WiFi, Internet-of-Things, and vehicular networks. Prospective students will work with the professors and graduate students on the following two topics: (1) Security in Autonomous Driving; (2) Internet-of-Things Security. The students will gain hands-on and authentic research experience on cutting-edge topics in network security, which will pave the way for them to pursue a future career in these areas.

Requirements: GPA>3.5 and some knowledge of C/C++/python. Dates of apprenticeship: May - Aug., 2021 (commute to campus and remote).

Still have questions? Email **aeopapprenticeships@rit. edu** or call **585-475-7177.** Visit our website for more information, and be sure to follow us on social media for important announcements, future opportunities, and upcoming events!

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TO APPLY, VISIT: https://www.usaeop.com/program/high-school-apprenticeships/
(Location Code: B603 in the spreadsheet)