

# AERI OSHA

## CHECK OUT MY WEBSITE

<https://aeriosha.github.io/portfolio/#/>

## CONTACT

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## EDUCATION

COLORADO SCHOOL OF MINES |  
COMPUTER SCIENCE | CLASS OF  
2029

CINCO RANCH  
HIGH SCHOOL | CLASS OF 2025  
4.4 GPA

STANFORD UNIVERSITY  
SUMMER 2024 - CREDIT  
GIVEN

IE40M INTRO INTO ELECTRICAL  
ENGINEERING  
MS&E 75 REDEFINING CREATIVITY

BROWN UNIVERSITY  
SUMMER 2023

VISUAL ART WITH QUADROTORs AND  
MULTI-ROBOT SYSTEMS

ADVANCED TOPICS IN CAD: FEA, MOTION,  
AND COMPLEX ASSEMBLIES

## SKILLS

**Programming:** Proficient in Python, Java, HTML, CSS, JavaScript, React/ReactNative

**Hardware & Fabrication:**  
Experience with mill, lathe, CNC machining, SolidWorks, and 3D printing

## EXPERIENCE AND LEADERSHIP

### Researcher with CURIE Project | 2025

- On two person team building multi-sensing system in the underground lab using Arduino and RPI that synchronizes data to a live online display and records it for offline analysis

### Mines IT Service Desk Worker | 2025

- Providing technical support and hardware troubleshooting for campus students and faculty.

### Tutor, Tutor Doctor of Katy | 2025

- Provides in-home math and science tutoring for elementary through high school students.

### Vice President of Safety, FRC CRyptonite Robotics Team | 2021–2025

- Led safety training for 60+ team members and implemented safety protocols year-round.
- Received FRC All-Star Safety Award (2024).
- Organized and led STEM camps for elementary/middle school students.

### Shooter Mechanism Sub-team Lead:

- Oversaw design and execution of a custom robot shooter mechanism.
- Delegated tasks and mentored new members.

## CLUBS

### Creative Arts Club, Officer | 2025

- Help prepare the art studio for weekly meetings

### Volunteer Tutor, Homework Buddies through KCM | 2022–2024

- Tutored students weekly in core academic subjects.

### National Honor Society (NHS) | 2023–2025

- Contributed 40+ volunteer hours through academic tutoring and community service.

### Future Business Leaders of America (FBLA) | 2023–2024

- Treasurer: Managed club funds, organized and participated in networking events.

### Dare to Wear Fashion Club | 2021–2025

- Participated in design showcases and creative planning sessions.

### Fiber Arts Club | 2021–2024

- Assisted in teaching crochet and embroidery during biweekly