

Eric Ho

480-875-9225 | ericho2@asu.edu | [linkedin.com/in/eric-ho-8888b2319](https://www.linkedin.com/in/eric-ho-8888b2319) | ericho.dev

EDUCATION

Arizona State University

Bachelor of Science In Electrical Engineering

Tempe, AZ

Aug. 2026 – May 2030

Centennial High School

High School Degree

Peoria, AZ

Aug. 2022 – May 2026

PROJECTS

Arduino Mini Radar System | *Python, Arduino, Git, Embedded Systems*

September 2026 – Present

- Built and began modifying a LAFVIN LA048 Arduino Mini Radar Kit for hands-on experience with embedded electronics.
- Worked with sensors, servo control, microcontroller programming, and real-time data visualization.
- Developing additional modifications to better understand hardware and software integration.

osu! Robot | *Teensy 4.0, C++, Python, PlatformIO, Git*

October 2026 – Present

- Designing an electromechanical robot that plays the rhythm game osu! by pressing keys on a Hall-effect keypad with solenoids
- Building solenoid driver circuits with logic-level MOSFETs, flyback diodes and a 12V power stage
- Developing Teensy firmware and a Python serial interface that sends timed key-press commands from a PC
- Measuring actuation latency with a logic analyzer to calibrate timing and improve hit accuracy

Portfolio Website | *Git, CSS*

August 2026 – Present

- Developing a personal portfolio website to showcase engineering projects, technical skills, and professional experience.
- Organizing project documentation and technical accomplishments into a structured, accessible online portfolio.
- Applying web development skills to create a professional platform for presenting engineering work and future projects.

EXPERIENCE

CTE IT Intern

January 2026 – May 2026

Peoria Unified School District

Peoria, AZ

- Set up, imaged and deployed laptops, desktops and Chromebooks, including OS installs, software setup and user account configuration
- Helped maintain network infrastructure by fixing connection problems, managing cabling and setting up printers and peripherals
- Kept hardware and software inventory records up to date, tracking assets for upgrades, repairs and replacements

CLUBS

VSA - Event Coordinator Intern

Oct. 2026 – Present

Arizona State University

Tempe, AZ

- Assisted with planning and coordinating student events, including organizing logistics and supporting event-day operations.
- Collaborated with team members to coordinate activities, communicate event details, and ensure smooth execution.
- Supported event preparation, problem-solving, and time management while adapting to changing needs.

Formula SAE

Aug. 2026 – Present

Arizona State University

Tempe, AZ

- Help collect speed, temperature, RPM, or other sensor readings.
- Assist with testing and documenting electrical components.
- On the electric team, learn about motor controllers, battery monitoring, and safety systems.

CERTIFICATES

C++ Entry Level Certificate | *Microsoft*

Sept. 2026 – Oct. 2026

- Write, debug, and compile C++ programs, apply programming principles, implement advanced C++ features, and build portfolio-ready projects.
- Implement advanced features such as STL, multithreading, and memory management
- Use GenAI tools to support coding, reviewing, and documenting applications

TECHNICAL SKILLS

Languages: Python, C/C++, JavaScript, HTML/CSS

Frameworks: React, Arduino, PlatformIO

Developer Tools: Git, Google Cloud Platform, VS Code, Visual Studio, PyCharm

Libraries: pySerial