

Hayden Hargreaves

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OBJECTIVE

Obtain an internship as a software toolchain engineer.

EDUCATION

Embry-Riddle Aeronautical University (ERAU)
Bachelor of Science in Software Engineering

Prescott, AZ
May 2028

West-MEC Central Campus
Coding & Programming
GPA: 4.0

Glendale, AZ
May 2024

COMPUTER SKILLS

Programming Languages: Go, Python, C/C++, Lua, Java, Typescript, SQL, HTML/CSS, & Zig

Development Tools: Linux (Arch & Debian based), NixOS, Tailwind CSS, Svelte, Spring boot, GIT, Docker, HTMX, Nginx, & Gin web framework

Software: Linux tools, SSH, Vim & Neovim, Visual Studio Code, & Orcad Capture

WORK EXPERIENCE

Bottom Line Business Solutions
Staff Accountant & IT Tech

Surprise, AZ
June 2020-Present

- Completing data entry tasks and bank statement reconciliation.
- Building and hosting a web application to manage client data.
- On-site hosting with home server, including VPN.

Data Annotation Tech
Contractor – AI Model Trainer

Remote
January 2025-Present

- Training AI models by answering questions and solving programming problems.

Backcountry Horsemen of California
Web Developer

Remote
September 2023-April 2024

- Developed and hosted a new website while maintaining the current website.
- Managed domain, SSL licensing, and managed online presence.

Looksee Internship
Back End Engineer

Glendale, AZ
January 2024-February 2024

- Developed an HTTP back end serving video content to a mobile application.
- Managed and deployed a live demo application.
- Created architecture for secure client/server communication.

PROJECT EXPERIENCE

Acoustic Drone Detection – My team built a net of microcontrollers with microphones to detect drones using an AI model trained with audio recordings of drones flying overhead. The data is collected and stored on the AWS Internet of Things cloud. I developed a custom network infrastructure to allow for data transfer between controllers and the cloud using MQTT.

Document Sync Protocol – A simple protocol built on the TCP connection layer that allows Neovim clients to sync their documents and edit the same buffers/files simultaneously with live updating. Tools like this exist for many other editors but not for Neovim.

AWARDS AND CERTIFICATIONS

Information Technology Specialist OD 306 **HTML5**, Information Technology Specialist OD 302 **JavaScript**, 1st Place **Database Design** FBLA Online Testing Competition 2024, 3rd Place **Coding & Programming**, FBLA State Leadership Conference 2024