Robert Ashby

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Summary

Passionate Software Enthusiast with a strong background in automation, testing, and security. Skilled in languages ranging from Rust to TypeScript, and experience web development frameworks such as React and Solid JS. Experience with leadership and collaborations of various sizes, currently seeking to start on their career in tech.

Education

Western Washington University — Bellingham, Washington
B.S. Computer Science — 3.68 GPA — *Sep 2020 – June 2024*

Extracurricular: President of WWU Cybersecurity Club 2022 – 2024

Courses: Operating Systems, Secure Software Development, Human Errors in Software Engineering, Cloud Computing, Web Scripting, Object Oriented Design, Algorithm Analysis, Networking, Privacy Enhancing Technologies, Linear Algebra, Statistics

Technical Skills

Programming Languages: Python, C#, JavaScript/TS, Rust, C/C++, SQL, MongoDB, Clojure

Frameworks/Libraries: React, Solid JS, Numpy, Pandas

Tools: GitHub Workflows, Git, Docker, Google Workspace, Linux, Openstack

Experience

Education Technology Assistant — Jan 2025 – Present
Mount Vernon School District — *Mount Vernon, Washington*

- Implemented Google Workspace automation to decrease time spent recycling devices by 200%
- Used build systems for automated imaging and provisioning of Windows machines
- Installed and deployed Cisco Meraki APs and various related technologies

Projects

Seating Arrangement and Attendance Tracker — Spring 2025 – Present
Personal Project

- Utilizing Google Workspace and Google AppsScript to automate tracking of attendance and table placement in Google Sheets
- Integrating Google services into a front end UI with React for ease of operation
- **Tech/Skills Utilized**: AppsScript, JS/React, Google Workspace

Design and Implement Interactive Lessons on Malware — Fall 2023 – Spring 2024
Western Washington University, Cyber Range Poulsbo

- Using Docker/OpenStack to create safe, containerized environments for malware
- Documenting environments and processes such as deployment and VM specifications
- **Tech/Skills Utilized**: Python, Docker, OpenStack, Documentation, Collaborative Development

Text Generation Utilizing N-Gram Language Model — Winter 2024
Personal Project

- Analyze text composition and sentence structure to generate a language model capable of predicting tokens given sentences
- Added features including ability to parse and utilize archive data from social media
- **Tech/Skills Utilized**: Statistics, Python, Clojure