

Mason Rosenau

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EDUCATION

Oregon State University Sept. 2021 – June 2025
Bachelor of Science in Computer Science — 4.0 GPA Corvallis, OR

- Drucilla Shepard Smith Scholastic Awardee (2x), College of Engineering Dean's List (Fall 2021 – Present)

EXPERIENCE

DevOps Engineering Intern April 2024 – Sept. 2024
Intel Corporation Hillsboro, OR

- Reduced the time to deploy and update infrastructure on regression testing platforms with Python automation
- Removed the use of **13** secrets in client-server architecture codebases using environment variables and SFTP
- Setup and automated MySQL database transfers to ensure a more **up-to-date** development environment
- Implemented in-browser binary downloads, reducing the previous workflow time by **over 90 percent**
- Consistently documented and resolved test platform errors to **reduce false negatives**
- Implemented the initialization of multiple registers in **C firmware** according to design team specifications
- Coordinated with lab technicians to help setup test platforms with the next generation of silicon

Equipment and Safety Officer Sept. 2022 – April 2024
Oregon State University Archery Club Corvallis, OR

- Prioritized **safety protocols** while running active archery ranges and conducted regular equipment maintenance
- Managed club inventory and ordered archery equipment according to club needs and **finances**


Cashier and Front-end Clerk June 2023 – Feb. 2024
Safeway Corvallis, OR

- Expedited customers' shopping experiences during **high-traffic** periods by managing self-checkout machines
- Opened and closed the store in a manner that fulfilled **managerial standards**


Services Advisor June 2022 – Sept. 2022
Office Depot Salem, OR

- **Exceeded** customer enrollment targets on a weekly basis, as demonstrated by employee metrics
- Facilitated back-to-school supply drives and provided **technical assistance** and recommendations to customers

PROJECTS

Chart Builder Test Suite | *Cypress, GitHub Actions, Jest* |  June 2023

- Wrote end-to-end tests for a web application by **simulating user interaction** using Cypress
- Constructed a **CI/CD pipeline** using GitHub Actions to ensure an errorless build and deployment process
- Focused on a **user-centered** testing philosophy while collaborating with teammates using GitHub

Small Shell | *C, UNIX* |  April 2023 – May 2023

- Developed a shell to handle UNIX **command line** functionalities using signal handling, file I/O, and C strings
- Learned complex program flow and the importance of memory and process management

OTP Encryption & Decryption | *C, Sockets, Ports, Key Generation* May 2023 – June 2023

- Built a client-server application that can concurrently encrypt and decrypt text using one-time pad encryption
- Learned more about client-server relationships, concurrency, and the importance of verifying connections

Magic Math | *HTML, CSS, JavaScript* May 2023

- Created a web application that lets users construct math equations to reverse engineer precalculated solutions

SKILLS & INTERESTS

Skills: Python, C, C++, AVR Assembly, JavaScript, HTML

Technologies: Git, GitHub, GitHub Actions, SSH, MySQL, MongoDB, Google Cloud Platform, Jenkins

Packages: paramiko, Flask, PyMySQL, python-dotenv, requests

Personal Interests: Freestyle Drone Flying, Tennis, Short Form Video Creation, Strongman, Photography