

Ryson W. Wong

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Education

Oregon State University | Corvallis, OR

Bachelor of Engineering in Computer Science, GPA: 3.7

June 2021 – Present

Expected Graduation, May 2025

Community College of the Air Force | Maxwell AFB, Alabama

Associates in Electronic Systems Technology, GPA: 4.00

July 2020 – Present

Expected Graduation, August 2022

Work Experience

Georgia Tech Research Institution | Tucson, Arizona

May 2022 - June 2022

Software Development Intern / Corsair Ranch

- Created full-stack website using React, Node.js, and Java Bootstrap for AFWERX WepTac Event
- Fixed bugs and added new features to Corsair Ranch's official website
- Participated in multiple sprints and scrum meetings where we discussed weekly and future app implementations
- Created short-term solutions using Microsoft's Power Apps which was utilized by over 100's of end-users

Major League Hacking and Meta | Remote

May 2022 - August 2022

MLH Fellow / Production Engineering

- Worked with Linux Systems, Flask, Docker, GitHub Actions, cAdvisor, and other technologies to keep services and applications running and highly available.
- Deployed a scalable, containerized open-source web application, built with Python, Flask, Jinja, Nginx, and MySQL, to a cloud server (DigitalOcean).
- Set up a CI/CD pipeline through Github Actions reducing deployment time by 75% and wrote unittests to simplify debugging.
- Monitored the system and container processes using Prometheus and Grafana cutting down on core redundancies by ~30%.

Hawaii Air National Guard | Kekaha, Hawaii

March 2018 - Present

Senior Airman / Radio Frequency Operations Technician

- Engineered bash and python scripts for automatic deployment of equipment which improved efficiency by 70%
- Staged HF/VHF/SHF/UHF radios and various networking technologies to transfer local/remote data and voice
- Led and trained multiple personnel on fundamental radio theory and troubleshooting principles
- Deployed several satellite communication kits to provide commercial internet for over 40 personnel

Projects

Exercise Tracker (Javascript, MongoDB, React, Node) [<https://github.com/rysonw/iSweat>]

Personal Project

- Utilized the MERN stack to create an application that saves personal exercise data like: "weight lifted"
- Used a custom-built REST API to support CRUD operations within the application

Flashcard Mobile Application (Android, Java) [https://github.com/rysonw/flashcard_application]

CodePath

- Developed a flashcard application in Android Studio using Java to solidify mobile application development processes and practices
- Utilized application for military purposes, mainly to optimize training plans by reaffirming networking concepts

Leadership or Activities

CodePath Mobile Application Developer | Remote

Feb 2022 – April 2022

Fellow / Participant

- Collaborated with various young professionals to discuss and further application development practices
- Presented impactful application ideas and frameworks to a panel of experienced software engineers.
- Catalyzed a flashcard application that was used by ten military personnel for job training purposes

Skills

Languages (Proficient): Python, JavaScript, HTML, CSS, C#, Java, MySQL, Bash

Certifications: DoD Top Secret/SCI Clearance, CompTIA Network+, CompTIA Security+, ITS-305: Software Dev. in C#

Technologies: Android Studio, Git, Microsoft Power Apps, Linux (Ubuntu, RHEL), Docker, Flask