

Hayden Carroll

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EDUCATION

Bachelor of Science in Computer Science

Expected Graduation: Dec 2022

University of Idaho GPA: 3.77/4.0

Associate of Science in Computer Science

May 2021

North Idaho College GPA: 3.78/4.0

EXPERIENCE

Software Engineer Intern

May 2022 - Present

Kochava

- Championed a RESTful API with Go and Docker to replace the backend of a core feature on the M/OS platform
- Added UTF16 .CSV support to one of the largest revenue streams at Kochava on own initiative
- Completed over 50 integrations for Kochava-Certified Partners

Programming Mentor

Jun 2021 - Jul 2021

Idaho Codes

- Taught over a dozen middle school and high school students the fundamentals of HTML, CSS, and JavaScript
- Learned React.js ahead of time to teach it to students who finished the course early

Robot Team Lead

Feb 2021 - Jun 2021

NASA Artemis Lunar Lava Tube Competition

- Lead a team of 4 to create a rover to be tested at the competition
- Used a variety of different technologies such as Python, C++, and Bash to create a controller for the rover, as well as a live video feed from the rover to the operator
- Managed the budget of \$2,000 paid for by the NASA Grant to spend on our project

Web Development Lead

May 2018 - Jan 2020

NASA ELaNa-19 Cubesat Team

- Created and maintained a website with HTML/CSS/JS in conjunction with my teammates for the project in which people from all over the world visited
- Helped raise over \$250,000 for the project to build and maintain the satellite

PROJECTS

Project Scoto

Sep 2021 - Dec 2021

- Built multiple enemy types to navigate a procedurally generated 3D maze and attack player in C#/Unity
- Collaborated with 5 other team members to earn best project of the semester

Out Of The Dark

May 2020 - Oct 2020

- Created 2D maze builder app from scratch using C++/SFML to create and resize mazes
- Integrated Python with C++ app to form a cross-platform functional file dialog system

SKILLS

- Languages: Python, Go, C/C++, JavaScript, HTML/CSS, Bash, SQL
- Tools: Git, Linux, Docker, GCP, Jenkins