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Sam Harris

Bellingham, WA
https://samharris.tech/

OBJECTIVE

Computer Science student looking for internship opportunities to complement my degree. Experienced working at small, agile startups driving large, open-ended projects.

EXPERIENCE

Digital.ai
Software Engineering Co-op

May 2021 – Present
Remote

- Worked with the Hard Refresh Agility team to complete FedRAMP security compliance
- Fixed defects in the product while learning about agile and scrum methodologies
- Attended daily standup meetings and practiced continuous learning through company resources

Integrated Dynamics Electron Solutions (IDES)
Software Engineering Internship

Jun 2019 – Aug 2019
San Ramone, CA

- Designed a system to convert multidimensional electron microscopy data into a standard format using Python.
- Worked with other interns to design and build a portable display to interface with proprietary hardware allowing for real-time demonstrations of electron microscopes at scientific conferences.

First Robotics
Team Captain – 852

Aug 2016 – Jun 2020
Danville, CA

- As a project manager and a member of the executive board, I worked with several teams of students working on various projects, including app development, and advanced machine training, and safety.
- Previously, I developed multi-disciplinary skills while working in the design, programing, and safety subteams.

EDUCATION

Rochester Institute of Technology
Bachelor of Science in Computer Science, Minor in Philosophy
Cumulative GPA: 3.7, Major GPA 3.8

Aug 2020 – May 2024
Rochester, NY

Algorithms and Data Structures, Digital System Design, Mechanics of Programing, Intro to Software Engineering

The Athenian School
High School Diploma, Deans List

Sep 2016 – Jun 2020
Danville, CA

AP Computer Science, Data Structures & Algorithms Honors, Applied Science & Engineering Honors

PROJECTS

Custom Electric Vehicles

Nov 2020

Worked with peers to design and build electric vehicles including a go-kart, longboard, and an electric bike. Our go kart won the Ideal Farms race in late 2020.

Air Quality Smart Home App https://github.com/SamHarris2020/air-quality-index-skill

Jul 2020

Mycroft smart home app that gets air quality conditions and upcoming forecasts. Reports on ozone, fine particulate matter, and the UV index as part of the World Air Quality Index Project.

SKILL

Languages: Python, Java, C#, C++, Javascript, Verilog

Technologies: OpenCV, Git, CMake, Unity, Asp NET, SQL, IIS, Bash, Gulp, Fusion 360

Fabrication: Rapid Prototyping, CNC Milling, 3D Printing, Laser Cutting, Lathe, Riveting

Other: Time Management, Project Management, Agile Development, Development in Unix