

OBJECTIVE

I'm a computer science student who is interested in learning about novel topics in computing. I've worked with both early-stage startups and enterprise corporations driving agile products.

EXPERIENCE

Digital.ai

May 2021 – Present

Software Engineering Co-op

Remote

- Worked on a company-wide initiative to bring numerous products into FedRAMP security compliance.
- Fixed defects relating to JSON serialization within a product while learning about agile methodologies.
- Added reCaptcha to a product following the MVC design pattern in ASP Net.
- Attended daily standup meetings and practiced continuous learning through company resources.

Integrated Dynamics Electron Solutions (IDES)

Jun 2019 – Aug 2019

Software Engineering Internship

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

Aug 2016 – Jun 2020

Team Captain – 852

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

Aug 2020 – May 2024

Bachelor of Science in Computer Science, Minor in Philosophy

Rochester, NY

Cumulative GPA: 3.7, Major GPA 3.8

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

The Athenian School

Sep 2016 – Jun 2020

High School Diploma, Deans List

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