

## OBJECTIVE

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

## EXPERIENCE

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### Digital.ai

May 2021 – Present

*Software Engineering Co-op*

*Remote*

- Working as part of the agility product team, implementing CI/CD features

### 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

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### Rochester Institute of Technology

Aug 2020 – May 2024

*Bachelor of Science in Computer Science, Minor in Philosophy*

*Rochester, NY*

*Cumulative GPA: 3.6, Major GPA 3.8*

Computer Science I & II, Algorithms and Data Structures, Digital System Design

### 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

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### 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.

### Personal Assistant <https://designfair.athenian.org/applied-science-engineering/sam-harris>

Jun 2020

Voice-based time management project that tracks user activity via task manager. Uses Google's natural language toolkit to add personality to interactions.

## SKILL

**Languages:** Python, Java, C++, Dart, Verilog

**Technologies:** OpenCV, Git, CMake, Unity, JetBrains Ecosystem, Bash, Fusion 360, Solidworks

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