

SAM HARRIS

1200 Lake Washington Blvd N, Renton, WA 98056

☎ 425-628-8974

✉ samharris23@live.com

🌐 [linkedin.com/in/SamHarris2020](https://www.linkedin.com/in/SamHarris2020)

🐙 github.com/SamHarris2020

Objective

Cybersecurity and software engineering professional who is passionate about creating secure and meaningful software.

Experience

Blue Origin

May 2022 – Present

Cybersecurity Engineer I

Kent, Washington

- Developed dashboards for several teams in Cybersecurity improving organization and boosting performance.
- Collaborated with Red Team group to develop security exercises and contingency plans.
- Spearheaded the coordination and development of Cybersecurity goals for the upcoming year.

Jan 2022 – May 2022

Cybersecurity Engineering Intern

Kent, Washington

- Performed source code analysis using static and dynamic analysis to identify points of failure.
- Used third-party tools to evaluate and improve application security through penetration testing.
- Integrated security scanning into CI/CD pipelines and dashboards to aggregate risk.
- Deployed and maintained applications in AWS GovCloud in support of business goals.

Digital.ai

June 2021 – August 2021

Software Engineer Co-op

Remote

- Worked on a company-wide initiative to bring numerous products into Fed-RAMP security compliance.
- Learned agile methodologies while attending daily standup meetings and attended weekly tech talks.
- Debugged and fixed defects relating to JSON serialization within a product.
- Added reCAPTCHA to a product following the MVC design pattern in ASP Net.
- Practiced continuous learning through company sponsored courses on Udemy.

Integrated Dynamics Electron Solutions

March 2019 – August 2019

Software Engineer Intern

San Ramon, California

- Designed a pipeline to convert multidimensional microscopy data into a standardized scientific format.
- 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.

Education

Rochester Institute of Technology

2020 – 2022

Computer Science

Rochester, New York

Relevant Coursework

- | | | |
|-------------------|-------------------------|------------------------|
| • Data Structures | • Embedded Systems | • Software Engineering |
| • Algorithms | • Digital System Design | • Distributed Systems |

Projects

File Organizer | Python, C++

June 2021

- Developed an automatic file management system using Python and C++.
- Organizes files using customizable rules allowing for grouping and sorting of files based on relevant metadata.
- Created task scheduler and system watcher to run the file organizer at opportune times, preventing clutter.

Upcycled Electric Longboard | Fusion 360, Electrical Design, Fabrication

October 2020

- Designed and 3D Printed a custom enclosure in Fusion 360, accounting for hardware and design tolerances.
- Spot welded a custom lithium ion battery made using cells from recycled medical devices.
- Interfaced with commercial off the shelf hardware and electronics to create a fully working longboard.

Technical Skills

Languages: Python, Java, C/C++, C#, VHDL, Assembly, HTML/CSS

Security: Burp Suite, Metasploit, Tanium, Static Analysis, Palo Alto

Development: Agile-Scrum, Pair Programming, Linux, VR Development, Unity

Technologies/Frameworks: Git, OpenCV, .NET, IIS, SSH, Maven, Bash, SonarQube

Fabrication: Rapid Prototyping, Soldering, CNC, Laser Cutter, Lathe, Bandsaw, Drill Press

Interests

Augmented Reality, Electric Vehicles, Bass Guitar, Mechanical Keyboards, Ultimate Frisbee, Automation