

Sam Muldrow

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TECHNICAL SKILLS:

Full-stack development: Node.JS, C, Python, .NET, Java, Typescript, Angular

Infrastructure development: AWS, GCP, Linux and Windows system administration

Productivity Management and Familiar Tools: Git, Jira, Bitbucket, Github, Confluence, Agile

Cybersecurity Tools: Burp Suite, Wireshark, Metasploit, Kali Linux, Ghidra

Miscellaneous: Familiarity with broadband technology and infrastructure.

EXPERIENCE:

University of New Hampshire InterOperability Laboratory - Durham, NH

12/9/2020 – Current

Broadband Technician & Developer

- Develop commercially available DSL/G.Fast/GPON testing software: *Test Sentinel*, and collaborate using tools such as Jira and Git.
- Provide software support to customers over video calls and email.
- Perform tests on broadband equipment and put together professional reports
- Develop driver programs for embedded systems to perform device configuration
- Configure and troubleshoot broadband communication infrastructure (Copper & Fiber)

PTC, Onshape - Boston, MA

06/06/2022 - 08/12/2022 | 06/05/2023 - 08/25/2023

Onshape UI Intern

- Developed production grade product features using Angular and Typescript for customers
- Created a script library to manage administrative capability roles in Node.js for use by the site reliability engineering team

University Of New Hampshire - Durham NH

ET-NAVSARM - Team Lead

- Lead development of a swarm based robotics proof of concept project for NASA
 - Architect and implement autonomous systems for swarm rovers with Python and ROS2
 - Oversee robot construction, manage the team budget, and act as the liaison for project sponsors
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RELATED PROJECTS:

nTab (github.com/sam-muldrow/nTab)

nTab is a published Chrome extension developed, and provides the user with an overhauled new tab page in Google Chrome. The project has over 80 installs on the chrome web store.

TEA-in-C (github.com/sam-muldrow/TEA-In-C)

An implementation of the tiny encryption algorithm written in

University of New Hampshire - Durham, NH - Expected: May 2024

Major: *Computer Science: Cybersecurity* **Minor:** *Italian*

AWARDS:

UNH-InterOperability Lab Star Winner