

Griffin Leclerc

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+1 (603) 540-7703

Technical Skills

Languages: Rust, Java, C, C++, Python, Bash, XML, JSON, Scala, LaTeX, HTML, Go, C#, R, JavaScript, Matlab
Software: Git, Jira, Bitbucket, GitLab, Linux, AWS, CI/CD, Jenkins, Cargo, Gradle, Virtual Machines, RESTful APIs, Docker, Unit Testing, Static Analysis, Dynamic Analysis, Maven
Hardware: Network Switching, Embedded Systems, High Performance Computing, Cloud, Virtualization
Network Protocols: NTS, NTP, PTP (IEEE 1588), 802.1Q, 802.1BA, 802.1AS, STP, C37.238, 1722, TLS, TCP/IP, VLAN
Clearance: Secret, US Government Clearance

Professional Experience, 8 years

General Dynamics Mission Systems (GDMS)

Dedham, MA

Principal Investigator / Senior Advanced Software Engineer

March 2023- Present

- Led a team of two senior software engineers to deploy mission critical software written in Rust
- Researched the safety, security, and performance of deploying Rust in cryptographic environments
- Designed and implemented software to control front panel displays of classified embedded products
- Developed contributions to a shared classified codebase as part of the Core Security Library

University of New Hampshire Interoperability Lab (IOL)

Durham, NH

Lead Software Architect

May 2019 - March 2023

- *Speaker / Author, "Experimental Analysis of the Performance and Scalability of Network Time Security for the Network Time Protocol," IEEE ISPCS (2022)*
- Led a team of six independent contributors to develop software certification tooling used globally
- Engineered a standalone software testing product to certify the security of Single Pair Ethernet devices
- Architected a RESTful Device Under Test remote control interface for streamlined automation
- Made significant additions to the IEEE 802.1Q, 802.1AS, and C37.238 networking standards
- Collaborated with industry design engineers and standards committees to develop embedded devices

Software Developer

December 2016 - May 2019

- Developed and maintained features of Violet, a Time Sensitive Networking device certification tool
- Performed maintenance on regression tests and automated build scripts
- Assisted with creation of REST implementation for remote control of Violet

Embedded Systems Technician

June 2016 - December 2016

- Performed conformance testing on industry devices and defended subsequent certification reports
- Primary interface for engineers and developers of the Time Sensitive Networking vendor community

Intern

July 2015 - August 2015

- Designed leap second conformance tests and GUI tests for proprietary testing tools

Leadership

University of New Hampshire Interoperability Lab

Durham, NH

Consortium Lead / Agile Scrum Master

May 2019 - March 2023

- Led a team of five junior developers to routinely release software updates on schedule
- Primary vendor contact for Avnu and Open Alliance consortium members (Cisco, Intel, Netgear)
- Managed weekly testing reservations and standups, ensuring product accuracy and delivery commitments

HighTech Bound Summer Internship Program Supervisor

July 2022 - August 2022

- Created and managed a six week network technology immersion program for ambitious student employees

Student Leadership Award, 2018 and 2019

- Mentored, supervised and trained 20 IOL employees and 19 interns over 7 years of employment

UNH Tech Camp Instructor

July 2018 - August 2019

- Mentored 20 UNH Summer Campers in networking protocols, Python scripting, and circuit construction

Eagle Scout, Boy Scouts of America, Troop 292

Hooksett, NH

Education

University of New Hampshire at Durham, NH

M.S. Computer Science, Summa Cum Laude

B.S. Computer Science, Magna Cum Laude