

Griffin Leclerc

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Education

University of New Hampshire at Durham, NH

M.S. Computer Science, GPA: 3.98/4.0, Summa Cum Laude

December 2022

- *Speaker / Author, "Experimental Analysis of the Performance and Scalability of Network Time Security for the Network Time Protocol," IEEE ISPCS (2022)*

B.S. Computer Science, GPA: 3.73/4.0, Magna Cum Laude

Technical Skills

Languages: Rust, Java, C, Python, Bash, Scala, LaTeX, C++, XML, HTML, Go, R, JavaScript, Matlab, C#, SQL

Software: Git, Jira, Bitbucket, Distributed Systems, Jenkins, Gradle, Restful APIs, Linux, Docker, Virtual Machines, CI/CD, Embedded Systems, Maven, Ant, Linux, JUnit, Protocol Emulation

Hardware: Network Switching, Consumer and High Performance Computing, Raspberry Pi, Arduino

Network Protocols: NTS, NTP, 802.1Q, 802.1BA, 802.1AS, STP, C37.238, 1722, TLS, IEEE 1588, TCP/IP, VLAN

Professional Experience

General Dynamics Mission Systems (GDMS)

Dedham, MA

Senior Advanced Software Engineer

March 2023 - Present

- Researched the security, performance, and practicality of deploying Rust in cryptographic environments

University of New Hampshire Interoperability Lab (IOL), 7 Years

Durham, NH

Lead Developer / Graduate Research Assistant

May 2019 - March 2023

- Developed certification tooling used worldwide by Automotive / Professional Audio industries
- Made new, significant additions to IEEE 802.1Q, 802.1AS, and C37.238 networking standards
- Collaborated with industry design engineers in development of AVB capable switches and endstations
- Represented the IOL during weekly industry standards organization committee meetings

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

HighTech Bound Intern

July 2015 - April 2016

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

Leadership

University of New Hampshire Interoperability Lab

Durham, NH

Consortium Agile Scrum Master

May 2019 - March 2023

- Primary vendor contact for Avnu and Open Alliance consortium members
- 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

Projects, University of New Hampshire

M.S. Computer Science Research:

October 2021 - May 2022

Experimental Analysis of the Performance and Scalability of Network Time Security for the Network Time Protocol

B.S. Computer Science Capstone: High Performance Computing Cluster Construction