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　　　　　　　　　　　May 2021

Technical Skills

Languages:	Java, C, Python, Bash, Rust, 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, Raspberry Pi, Consumer and High Performance Computing, 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 Software Engineer　　　　　　　　　　　　　　　　　　　　　　　March 2023- Present
- Researched the security, performance, and practicality of deploying Rust in embedded environments

University of New Hampshire Interoperability Lab (IOL), 7 Years　　　　　　**Durham, NH**
Senior 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 Violett, 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 Violett

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 student 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　　　　　　　　　　　September 2020 - June 2021
High Performance Computing Cluster Construction