Griffin Leclerc

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Education

University of New Hampshire at Durham, NH

M.S. Computer Science, GPA: 3.98/4.0 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, Python, Rust, Scala, Bash, LaTeX, C, C++, Go, HTML, R, Matlab, C#, SQL, TCL
Software:	Git, Jira, Bitbucket, Jenkins, Gradle, Docker, Maven, Ant, SVN, Linux, JUnit, Restful APIs
Hardware:	Network Switching, Raspberry Pi, Consumer and High performance computing, Arduino, Protocol Emulators, Traffic Generators, Embedded Systems, Computer Vision
Network Protocols:	NTS, NTP, 802.1Q, 802.1BA, 802.1AS, C37.238, 1722, TLS, IEEE 1588, TCP/IP, VLAN

Professional Experience

University of New Hampshire Interoperability Lab (IOL) **Durham, NH**

Graduate Research Assistant / Lead Developer May 2019 - Present

- Developed segments of 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
- Provided technical input during weekly industry standards organization committee meetings
- Actively participated in the HR, STEM, and Communications continuous improvement committees

Software Developer December 2016 - May 2019

- Developed and maintained features for 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

Technician June 2016 - December 2016

- Performed conformance testing, and defended subsequent certification reports
- Primary interface for engineers and developers of the Time Sensitive Networking vendor community
- Represented the IOL for middle and high school outreach and summer intern recruitment

HighTech Bound High School Intern August 2015 - April 2016

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

Leadership

University of New Hampshire Interoperability Lab **Durham, NH**

HighTech Bound Summer Internship Program Supervisor July 2022 - August 2022

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

Student Leadership Award, 2018 and 2019

- Selected by the IOL Board of Directors from a body of 100 IOL employees for two consecutive years
- Mentored, supervised and trained 20 IOL student employees and 19 interns over 6 years of employment

Consortium Scrum Master May 2019 - Present

- Primary vendor contact for Avnu and Open Alliance consortium members
- Managed weekly testing reservations, ensuring accuracy and delivery commitments

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