

# Griffin Leclerc

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<https://griffinleclerc.github.io>

603-540-7703

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## Education

### University of New Hampshire at Durham, NH

M.S. Computer Science, GPA: 3.98/4.0

December 2022

- *Speaker, "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

May 2021

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## 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

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## 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 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

*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
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## 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**

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## Projects, University of New Hampshire

*Senior Capstone*

September 2020 - June 2021

- Designed, documented, and developed a High Performance Computing cluster for use by UNH researchers