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## Summary of Experience

### *Lead Developer - University of New Hampshire Interoperability Lab*

May 2019 - Present

- Managed segments of testing tools used worldwide by the Automotive and Professional Audio industries
- Made new and significant contributions to multiple networking standards
- Collaborated with vendor design engineers in the development of new products
- Supervised and trained seven student employees and three summer interns

### *Developer - University of New Hampshire Interoperability Lab*

December 2016 - May 2019

- Wrote features and fixes for Time Sensitive Networking related test tools using Java
- Performed maintenance on regression tests and automated build scripts
- Utilized Agile team-based development strategies Git and Jira
- Assisted with creation of REST implementation for remote tool use
- Managed and trained two student employees and nine summer interns

### *Technician - University of New Hampshire Interoperability Lab*

June 2016 - December 2016

- Performed detailed conformance testing of prototype products
- Interfaced with engineers and developers of the Time Sensitive Networking vendor community
- Updated and reviewed standardized test suites
- Wrote detailed conformance and interoperability reports

### *Intern - University of New Hampshire Interoperability Lab*

August 2015 - April 2016

- Selected from a field of 42 applicants
- Wrote leap second conformance tests and GUI tests for internal tools
- Learned team development processes, issue tracking, subversion systems, and automatic project builds

### *iPioneer Lead Tech - Trinity High School*

August 2012 - September 2015

- Participated in the installation of a campus-wide fiber optic network
- Repaired and maintained routers, switches, copy machines, and cabling
- 24/7 IT support for 400 students and 50 faculty members
- Managed and maintained the auditorium AV system for special events and theatrical performances

### *Technical Intern - Brady Sullivan Properties*

June 2014 - September 2015

- Controlled and maintained device inventory for employees
- Configured workstations for new employees

## Education

B.S. Computer Science

Expected May 2021

GPA: 3.69; Dean's List: 7 Semesters

University of New Hampshire at Durham

M.S. Computer Science

Expected May 2022

University of New Hampshire at Durham

## Projects

### *Eagle Scout Service Project*

March 2014 - October 2014

- Led eight adults and four scout volunteers over three work days
- Refurbished 147 computers for redistribution to low income families
  - 82 units were restored to working order; 37 units were disassembled for components; 28 units were disassembled for raw materials
- Total volunteer hours: 249; Personal volunteer hours: 85; Revenue raised to fund project \$2,145