

Joshua Rush

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EDUCATION

University of New Hampshire – Durham, NH

Expected: May 2020

Bachelor of Science: Computer Engineering

SKILLS

- **Programming Languages:** MATLAB, C++, C
 - **Personal:** Time management, Teamwork, Adaptability, Communication, Reliability
 - **Technical Applications:** Git, Sourcetree, Jira, MinGW, Multisim, Cadence Virtuoso
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WORK EXPERIENCE

UNH Interoperability Laboratory

Full Time/Part Time – Software Development

May 2019 – Present

- Assisted in development of the 100BASE-TX/1000BASE-T Qualiphyer test tools
- Experience programming multiple instruments remotely with SCPI commands
- Utilized MATLAB to communicate with traffic generator through TCP socket
- Implemented many new features into test tools based on customer desires
- Utilized Git, Bitbucket, and Sourcetree for version control

Full Time/Part Time – Test Technician

June 2018 – May 2019

- Tested dozens of electrical devices against IEEE standards
- Ability to read technical documentation for standards and electrical devices
- Experience working with Tektronix, Lecroy, and Agilent oscilloscopes
- Interacted with customers on a consistent basis via email to resolve conflicts
- Utilized agile practices such as sprints to streamline testing

Hannaford Supermarket – West Lebanon, NH

October 2014 – November 2015

Seasonal – Cashier

June 2017 – January 2018

- Gained experience in customer service skills and working in a fast-paced environment
 - Achieved exceptional teamwork skills by working alongside other front-end employees
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PROJECTS

Senior Project

Sept 2019 – Present

OCP NIC 3.0 PCI-e Bifurcation

- Verify the PCI-e bifurcation abilities of the OCP NIC 3.0 test fixtures
- Implement testing methodology into test tool for UNH IOL