

Simon R. McIntosh

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EDUCATION

University of New Hampshire, Durham, NH

Bachelor of Science: Electrical Engineering

Dean's List 2017, 2018, 2019, 2020, 2021

University Honors

May 2021

GPA 3.69

WORK EXPERIENCE

University of New Hampshire InterOperability Lab (IOL), Durham, NH

Senior Test Technician

June 2017 -Present

November 2018 -Present

- Developed MATLAB code for test tools based off IEEE specifications
- Researched solution and implemented processes to correct technical issues with test equipment
- Developed training documentation and testing guides for IEEE 802.3 Clause 25 and 40 standards

Test Technician

June 2017-November 2018

- Performed 100BASE-TX and 1000 Base-T interop testing
- Conducted SATA testing for several devices
- Communicated with customers to resolve technical issues found during testing

TECHNICAL SKILLS

- Agile Methodologies
- MATLAB
- Java
- Multisim
- Arduino
- Microsoldering
- Lecroy Scopes
- Agilent Scopes
- Keysight Scopes

RELATED CLASSES

- ECE 757: Fundamentals of Communication Systems
- ECE 775: Applications of Integrated Circuits
- ECE 647: Random Processes and Signals
- ECE 714: Intro Digital Signal Process

PROJECTS

Senior Design Project

- Developed practical engineering design to shield components from motor magnetic interference
- Redesigned circuits to modularized, protected design

VOLUNTEER SERVICE

UNH: Partners for World Health – Durham, NH

August 2018

- Formed relationships with local hospitals to gather used and outdated medical supplies to be donated to developing countries
- Planned club sponsored fundraisers, donations, and medical equipment drives