Trevor Blampied

6604 Granite Square Station, Durham NH 03824 • (603) 960-0328 • tbb1003@wildcats.unh.edu

**Objective:** Find a full-time electrical engineering position starting the summer of 2020

**Education****: University of New** **Hampshire** – *College of Engineering and Physical Sciences* **Aug. 2016 – May 2020, anticipated**

**Advanced Studies Program** – St. Paul’s School **Summer 2015**

GPA: **2.74/4.0** | B.S, Electrical Engineering

**Tech Skills:** AutoCAD | Inventor | MATLAB | Multisim | Virtuoso | Oscilloscopes | Network Analyzers | Soldering

**Experience****: New England Wire Technologies May 2019 – August 2019**

*Electrical Engineering Intern*

* Extracted the winding resistance of an inductor from an impedance measurement
* Various litz wires were wound around toroids and pot cores to determine the effects of different stranding
* Revamped the procedure for extracting winding resistance
* Measured and analyzed the attenuation of coax cables

**UNH Campus Recreation September 2018 – Present**

*Supervisor*

* Supervise swim meets
* Regulate chemical balance of pool water
* Manage lifeguards on duty

**UNH Campus Recreation September 2017 – Present**

*Lifeguard*

* Guard pool to ensure safety of patrons
* CPR certified
* Miscellaneous job-related duties

**UNH Electrical Engineering December 2017**

*Student, Junior Laboratory*

* Designed and built a four-stage audio amplifier with JFET input stage and Class A/B output stage
* Rapid prototyping with breadboards and simulated with Multisim

**UNH Electrical Engineering December 2016**

*Student*

* Group leader for team of five
* Designed a voltmeter and ammeter with breadboard prototyping
* Refined design for negative voltage protection
* Report complete with documentation of design process

**Relevant Orgs: UNH Students for the Exploration and Development of Space September 2019 – Present**

*Avionics Team, Electrical Engineer*

* Working on the controls for the ignition source, pump activation and recovery system
* Wireless activation of hybrid engine
* Microcontroller and Arduino use

**Other Skills:** Independent Research | Leadership | Problem-Solving and Novel Ideas| Process Improvement