

Eliot Nichols

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Summary of Qualifications

- Ability to apply basic electrical engineering principles, theories, and concepts.
- Experience working with PLECS, AutoCAD, MATLAB, and Microsoft Office Suite.
- Experience working in a lab environment with oscilloscopes, digital multimeters, and signal generators.
- Remarkable communication and collaboration skills shown while working within a team environment.

Relevant Experience

University of Washington Internship

June – July 2020

- Tested and debugged circuitry in a laboratory setting.
- Working in collaboration with team members to accomplish set goals.
- Assembled custom ordered PCBs designed to increase protection redundancy.

E-Bike Project Team

September 2019 – June 2020

- Experience designing circuit board layout using Altium Designer software.
- Used PLECS simulation to design and construct a boost converter within set specifications.
- Debugged physical boost converter circuit using electronic diagnostic tools.
- Documented and recorded the design and building process of the project in a lab report.
- Experience programming Texas Instruments LaunchPad microcontrollers using C code.

Education

University of Washington

August 2020

- Bachelor's Degree in Electrical Engineering
- Concentration in the field of Power Electronics
- Cumulative GPA: 3.1

Additional Experience

Lifeguard and Swim Instructor, Seattle, WA

June 2014 – October 2019

- Performed daily work duties and lifesaving operations through teamwork and effective communication.
- Worked with people of diverse backgrounds, ethnicities, and disabilities.