

## Summary of Qualifications and Skills

- Passionate about renewable energies, power and control systems, project management, and programming
- Strong interpersonal skills for communicating and coordinating professionally with a team
- Ability to work autonomously on multiple projects with little direction and meet deadlines
- Skills: (Expert – Word, Excel) (Intermediate – Python, MATLAB, Java, AutoCAD Civil 3D and Inventor, soldering, oscilloscopes, assorted hand tools, PLECs, PLCs) (Beginner – Multisim, C, Arduino, Ladder Logic)

## Education

**University of Washington | Seattle, WA**

**Expected Graduation: June 2021**

Bachelor of Science, Electrical Engineering, GPA: 3.6

- Related coursework: Energy Systems, Devices/Circuits I, Circuit Theory, Signals and Systems, Fundamentals of Material Science, Java Programming II, Introduction to Technical Communication
- Honors / Activities: Dean's list, Racquetball, Orsborn Lab Research, Student Government

## Relevant Experiences

**Undergraduate Research Assistant | Orsborn Lab | Seattle, WA**

**March 2019 - Present**

- Learned data analysis techniques for neural signal processing in UW ECE affiliated research lab
- Transformed legacy MATLAB code into Python equivalent for advanced signal processing
- Underwent specialized safety training to work safely in the lab on Brain-Computer Interface technologies

**Automation Engineering Intern | Shell Oil Company | Houston, TX**

**June 2020 – August 2020**

- Administered beta-tests of virtual machines and found/implemented fixes for field deployment
- Learned about PLC hardware, standards, protocols, link to SCADA, and ladder logic programming (with RS Logix Studio 5000) related to implementing control strategies
- Configured CPA-SR programmable protocol converter to format data to TCAP for SCADA interface
- Crafted detailed reports on findings/project progress with Word and Excel

**Engineering Services Intern | Goodfellow Bros Inc. | Kihei, HI**

**Summer 2018**

- Designed roads, pipe networks, and blasting patterns for several construction projects in AutoCAD Civil 3D
- Performed static surveys, and created GPS data working with Trimble hardware and software
- Created professional documents and drawings to be used in executive meetings

**Lead Programmer | LHS High School FRC Robotics Team | Lahaina, HI**

**2016-2018**

- Programmed autonomous functionality and kinetic routines for robot to complete tasks for competitions
- Designed parts in AutoCAD, wired/soldered components, used analog sensors to detect environmental variables
- Worked up to 50+ hours a week, competed in national competitions, participated in community outreach with kids

## Additional Experiences

**Room Service | Four Seasons Resort Maui | Wailea, HI**

**July 2019 – January 2020**

- Consistently adhered to and exceeded company expectations for efficient and conscientious performance
- Performed multiple tasks at a time under intense time constraints while coordinating with a team

**RCSC Representative | Student Government | Seattle, WA**

**October 2018 – June 2019**

- Facilitated and led community living workshops to educate students on community guidelines and expectations