**Education:**

Oregon State University Corvallis, Oregon

*Bachelor of Science in Electrical and Computer Engineering* June 2021

*Minor in Business and Entrepreneurship*

3.79 GPA and Honor Roll

Awards

Emerging Technology Student Leader Award 2018

Awarded at the Student Leaders Conference by the National Nanotechnology Initiative. Also presented individually and moderated an Entrepreneurship Panel with innovators in graphene, photonics, and microfluidics.

Activities

Inventors Enterprise *Secretary*  2016-2017

*Vice-President* 2017-2018

*President* 2018-2019

Leader in on-campus club that strives to develop an environment of innovation at Oregon State University as well as pursuing individual inventions. It also plans and manages “HWeekend”, the 50+ person, 30-hour invention hackathon that occurs every term. It is also a part of the Internet of Things Alliance and the Nanotechnology Student Network.

MECOP Internship Program *Junior Internship Participant* 2018-Present

The Multiple Engineering Co-Op Program provides two 6-month internships to at top engineering firms across the Pacific Northwest like Intel, Maxim Integrated, and Tektronix.

**Employment/Relevant Experience:**

Wisedoc *Software Developer* Corvallis, Oregon 2018-Present

Developed an application to automatically convert technical papers into any format. It is built on Amazon Web

Services and written primarily in React and JavaScript.

CreateIT Collaboratory *Employee*  Corvallis, Oregon 2018

Developed a non-invasive sap flow sensor for saplings. Commissioned by a Horticulture researcher at Oregon State University to build a mass-producible prototype to monitor a large quantity of saplings for extended periods of time.

Personal Robotics Lab *Student Researcher* Corvallis, Oregon 2018

Researched improvements to the Robot Operating System (ROS) community and created a custom traditional wiki, a Federated Wiki, and implemented open-source and community engagement systems. It was a Summer REU program.

**Projects:**

Temperature Based Alarm Clock 2016-Present

Invented a wearable alarm clock that wakes its user by rapidly changing temperature. This is a more accessible option for people whose senses are impaired or are difficult to wake-up. The goal was to develop skills in hardware design and Python/C programming.

Trilidae Smart Lab Goggles 2016-Present

Collaborated with a team to create a pair of holographic lab goggles to increase productivity and safety in lab environments. It utilizes text-to-speech, voice recognition, optics/displays, Python and C++ programming, and Internet of Things.

**Skills:**

C/C++ Programming Python Programming Microcontroller Programming

MQTT and IOT Protocols Project Management Product Development

Soldering/Prototyping Internet of Things Technical Writing

Adobe Suite Amazon Web Services React