Noah Hoffman

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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.

Employment/Relevant Experience:

Maxim Integrated   *MECOP internship*   2018-2019
    The Multiple Engineering Co-Op Program provides two 6-month internships with engineering firms across the Pacific Northwest like Intel, Maxim Integrated, and Tektronix. I set up a remote gas pressure monitoring system for the plasma etch group for them to check the levels of the process gasses from their desks. Other projects used 3D printing, part procurement, and general troubleshooting of semiconductor fabrication tools.

Wisedoc   *Software Developer*   Corvallis, Oregon   2018-2019
    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:

Medivacc Efficient Insulin Cooler   2017-Present
    Invented a portable and robust insulin containment unit that preserves a stable temperature for up to a week. This started as a class business project, turned into a real startup with over $8000 of prize winnings from over 5 pitch competitions, and is now a capstone engineering project. Medivacc combines energy efficient analog design, C/C++ programming, and material science research.

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
Basic VLSI experience	Amazon Web Services	React