

Nick Biggerstaff

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Objective: To acquire an engineering internship where I can utilize and build upon my interpersonal skills, professional experience and technical abilities in a field that I am passionate about.

Skills

- Embedded Systems & Firmware; Circuit Analysis & Design
- PCB Design (Altium, Circuitmaker); Mechanical CAD Design (Solidworks)
- C++, Python, HTML & CSS
- Soldering (surface mount)

Experience

AMS Intern at Mentor Graphics / April - September 2020

- Remote work experience during COVID-19
- Experience with Xpedition Designer, QA, Technical Writing

Junior Design Project: Sumo Robot / Winter 2020

- Worked in a 3 person team for 12 weeks to create a robot with autonomous and remote control operation for a mini robot sumo competition
- Designed & assembled PCB for motor controller
- Completed full CAD assembly in Solidworks and 3D printed the robot body

OSU Robotics Mars Rover Club / Fall 2019 - Present

- Collaborated with the science and mechanical teams to design a new soil testing system for the University Rover Challenge
- Designed a PCB for motor control and performed design reviews in a team of 4

Eagle Scout Project / January 2016

- Managed 140 man-hours between fellow Boy Scouts and adults
- Led renovation of storage room: oversaw wall repair & repainting, installation of wall bumpers and upgrade to fluorescent lights
- Planning resulted in the project being completed both on time and under budget

Education

Oregon State University / September 2018 - Present, Corvallis, Oregon

- Major: Electrical and Computer Engineering, Minor: Computer Science
- 3.74 Institution GPA
- Relevant coursework: Embedded System Design, Power Electronics

Foothill College / August 2016 - June 2018, Los Altos Hills, California

- 3.2 Transfer GPA in Engineering

Awards

- Eagle Scout, Boy Scouts of America, Troop 87 - Mountain View CA, March 2016
- Oregon State University Dean's List: Fall 2018 - Present