

Austin Green

austinjgreen333@gmail.com | 541-659-1093
LinkedIn: www.linkedin.com/in/austingreen333/

EXPERIENCE

FORMFACTOR INC. | RF TEST ENGINEERING INTERN

March 2020 – Sep 2020 | Beaverton, OR

- Worked on team to develop, update, and validate RF Test automation soft from company's legacy Visual Basic software to a modern LabView implementation.
- Assisted Sr. Engineers in analyzing, validating, and troubleshooting RF probe, probe core, and probe card performance.
- Worked on team to develop a C# based SQL server query program to automatically update technician's Vector Network Analyzer using GPIB and IEEE 488.2 communication standards.
- Instructed Technicians on appropriate use of software and testing procedure.

OREGON STATE UNIVERSITY, COLLEGE OF ENGINEERING

UNDERGRADUATE TEACHING ASSISTANT

Dec 2018 – Present | Corvallis, OR

- Taught fundamental DC and AC circuit analysis and design to Undergraduate engineering students.
- Guided students in instructional lab procedure.
- Created, administered, and graded, recitations and weekly quizzes.

OREGON STATE UNIVERSITY, SENSORS AND INTEGRATED MICROELECTRONICS LAB | UNDERGRADUATE RESEARCHER

Jun 2019 – March 2020 | Corvallis, OR

- Developed MATLAB Graphical User Interface to model 2D deflection of stretchable resistors.
- Modeling resistive characteristics of low resistance stretchable resistors.

PROJECTS

USING OCEAN-GOING ROBOTS TO OBSERVE WAVE CONDITIONS | SENIOR CAPSTONE

Sep 2020 – Present | Oregon State University, OR

- Provides real-time wave data from a portable platform
- Using a 9-axis accelerometer to measure surface wave heights aboard an autonomous underwater glider.
- Interfaces with existing on-board hardware with SPI to validate and relay data to on-shore data center.

2-AXIS SCARA ROBOTIC DRAWING ARM

MECHANICAL & ELECTRICAL LEAD

Sep 2019 – March 2020 | Corvallis, OR

- Spearhead the mechanical design of a 2 axis SCARA based robotic arm.
- Designs were drafted in SolidWorks 2019, then optimized with Fusion 360's Shape Optimization Simulation.
- Designed an Arduino Uno compatible power and signal distribution circuit board using Circuit Maker.

EDUCATION

OREGON STATE UNIVERSITY

HONORS BACHELOR OF SCIENCE IN
ELECTRICAL & COMPUTER
ENGINEERING

Expected June 2022 | Corvallis, OR

Dean's List

Cum. GPA: 3.75 / 4.0

SKILLS

TECHNOLOGY

Soldering • Oscilloscope • Function Generator • FPGA • Micro-controllers
Linux • Windows • Microsoft Office
Git/Github • SolidWorks • Fusion 360
Circuit Maker (Altium) • Eagle

PROGRAMMING

3+ years:

C/C++

1+ years:

Python • MATLAB • System Verilog •
LaTeX

<1 years:

VBA • LabView • C#

COURSEWORK

UNDERGRADUATE

Operating Systems I
Calculus I-IV
Digital Logic Design
Signals & Systems I-III
Electronics I-II
Transmission Lines
Power Electronics

LEADERSHIP

OSU ROBOTICS CLUB

- PR/Marketing Coordinator | May 2018 - Mar 2020
- Graphic Designer | Sep 2017 - May 2018

OSU ARCHERY CLUB

- Head Safety Officer | Apr 2018 - Jun 2019

SOCIETIES

Oregon State University Honors College
National Society of Collegiate Scholars