

# Will Otos

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## EDUCATION

### **Oregon State University**

*BS – Electrical & Computer Engineering*

Expected Completion: 2021

### **Portland Community College, Portland, OR**

*AS – Transfer Degree*

Completed prerequisite engineering coursework, including various lab sections. Regularly designed, simulated, built, and analyzed electrical circuits.

## RELEVANT COURSES COMPLETED

Multivariable Calculus

Differential Equations

Linear Algebra

General Calculus Physics I, II, III (Lab)

Signals and Systems

General Chemistry (Lab)

Digital Logic (Lab)

Technical Writing

Speech Communication

Electrical Circuits Analysis I, II, III (Lab)

## COURSEWORK PROJECTS

**Junior Project; 2 Axis Robotic Arm:** Designed and produced a printed circuit board that drives a 2 Axis Robotic Arm

**Junior Design; Solar Panel Characterization:**

- Created MATLAB code that displayed a voltage and current live from an Arduino.
- Plotted a Power Curve Chart from an Arduino using the collected voltage and current from the solar panel in MATLAB.
- Created Interface definitions for the solar panel characterization system.

## HARDWARE · SOFTWARE · OS PROFICIENCY

EAGLE, KiCad, Altium CircuitMaker

Function Generator

Digital Multimeter

Oscilloscope

C++, Java

Matlab

Ubuntu Linux/Bash/vim/g++

Windows/Visual Studio

## RELEVANT EXPERIENCE

### **OSU Robotics Club, Underwater Robotics Team**

*Corvallis OR, January 2020 - Present*

Configuring PCB layouts on a custom form factor, selecting hardware components for circuit implementations, compiling bills of materials (BOMs).

### **ResiStore Volunteer**

*Corvallis OR, January 2020 - Present*

Volunteering in the student run- electronics store on campus. Handling transactions, helping people find components for projects.

### **First Tech Challenge Competitor**

*West Linn OR, September 2015 – June 2016*

Designed and tested a robot with a team to complete various tasks autonomously and via remote control. Compiled test notes in an engineering notebook. Delivered progress reports to team supervisor. Motivated team members to develop troubleshooting skills.

## OTHER SERVICE AND AWARDS

- Sierra Service Project: Worked in small groups to perform light construction projects on Native American Reservations over the summer. *June 2012 – August 2016*
- President's List 2016
- Dean's List 2017