Brittany Taggart

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Education

Oregon State University, Corvallis, OR
Current Undergrad - Electrical and Computer Engineering (GPA: 3.38)
Expected Graduation: June 2020

Relevant Coursework

Completed:

- Signals and Systems I and II
- Electronics I and II
- Introduction to Computer Science I/II
- Data Structures

In Progress:

- CMOS I
- Analog and Digital Communications I
- Materials and Devices I

Experience

EECS Technical Assistant September 2017 - Present

- TA for: Introduction to Electrical and Computer Engineering I and II, Eletrical Fundamentals I, Digital Logic and Design
- Supervise labs and teach fundamental electrical engineering concepts
- Work with other TAs to debug student projects

Tekbots Summer Researcher June 2019 - September 2019

- Worked on Research and Development for Electrical Engineering curriculum at Oregon State
- Redesigned the Introduction to Electrical Engineering course
- Created more project options for ECE Junior Design

Tekbots Store Worker April 2018 - June 2019

- Sold electrical components
- Worked on projects for OSU curriculum
- Helped students with individual projects

Projects

Bluetooth Controlled Robot August 2019

- Bluetooth controlled robot car with an app made in MIT App Inventor
- Used Arduino Nano, Bluetooth module, motors, and L293D Motor Driver
- Worked individually

WiFi Time Tracker July 2019

- A cube that tracks how long a task is being completed via WiFi
- Used ESP8266 WiFi module as well as a accelerometer/gyroscope module
- Worked in a team of three. I was responsible for getting input from the accelerometer and sending the data to a webpage.

Remote AC Switch December 2018 - March 2019

- Bluetooth controlled AC switch to turn two lights on or off
- Application displays state of system and current being drawn
- Worked in a team of three. I was the project manager and responsible for the PCB.

Skills

Programming Languages: C++, C, Arduino, LaTeX
Software: Familiar with SPICE, KiCad, Solidworks
Hardware: Lattice MachXO3LF, Arduino UNO/Nano, ATmega128

Activities

Oregon State University Marching Band
Eta Kappa Nu National Honors Society
EECS 2019 Graduation Committee