Brittany Taggart

taggartb@oregonstate.edu • (530)-651-3236 • http://web.engr.oregonstate.edu/~taggartb/

Education

Bachelors, Oregon State University Expected Graduation: June 2020

- Electrical and Computer Engineering (GPA: 3.38)
- Relevant Coursework: Signals and Systems I and II, Electronics I and II, Data Structures, CMOS I, Analog and Digital Communications I, Materials and Devices I, Digital Signal Processing, Digital Communications and Channel Coding, Multimedia Systems

Experience

EECS Technical Assistant September 2017 - Present

- TA for Introduction to Electrical and Computer Engineering I and II, 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
- Developed, designed, and tested 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

DreamZBox 2.0 September 2019 - Present

- Custom portable video game console with wireless controllers
- Work in a team of three, collaborate with a CS team working on a custom game

Bluetooth Controlled Robot August 2019

- Bluetooth app controlled robot car with color changing LEDs that react to a change in direction
- App developed with MIT App Inventor
- Worked individually

WiFi Time Tracker July 2019

- A cube that tracks how long a task is being completed via WiFi
- Up to six tasks can be tracked, but only the current task selected is updated
- An accelerometer is used to determine which face of the cube is the current task.
- Worked in a team of three. 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. Project manager and responsible for the PCB

Skills

Programming Languages: C++, C, Arduino, LaTeX, Verilog
Software: SPICE, KiCad, Solidworks, Fusion 360
Hardware: Lattice MachXO3LF, Arduino UNO/Nano, ATmega128, ESP32
Testing Equipment: Multimeter, Oscilloscope, DC Load, Power Supply, Function Generator
Soft Skills: Team Work, Multitasking, Responsible, Communication

Activities

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