Zachary Watkins

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Objective

Current Electrical and Computer Engineering student looking to obtain a summer internship to master my communication skills, work field experience, and technical and time management skills which will help me throughout my college career and future engineering endeavors.

Job Experience

NVIDIA INTERNSHIP | INTERN | SUMMER 2018

- Worked in the hardware engineering department under the Shield TV controller project Stormcaster
- Worked with project managers, mechanical engineers, architectural design engineers, software engineers and lead electrical engineers on the laser tracking module for the Shield controller
- Led presentation of testing module to company management and colleagues
- Used knowledge of circuit design, electrical schematics, software in C/C++, and Fusion 365 to design a testing module for both the controller trackball, and the controller trackball sensor

Education

OREGON STATE UNIVERSITY | COLLEGE OF ENGINEERING | 2016-PRESENT

- Major: Electrical and Computer Engineering | Minor: Mathematics
- Related coursework: OSU Robotics Team, Data Structures, FPGA programming and Digital Logic Design, MATLAB simulations, CAD designs, LTSpice circuit designs, Junior Project Design, Electronics, Signals and Systems, Assembly Language, Transmission Lines

COURSE RELATED PROJECTS

- Projects with colleagues such as working with Nvidia Jetson TK1 computers, Three Band Audio Visualizer using FFT and a microcontroller, Servo Proportional Integral Derivative Loop with a feedback potentiometer and a microcontroller
- Project through ECE 342 Design building a fully Autonomous Sumo Robot final project with team of colleagues (2 other people)

Skills & Abilities

LEADERSHIP

- Electrical Team Lead: Electrical team lead for the underwater robotics program at OSU for years 2017 and 2018
- Led the design of CAD Fusion 360and IDE code to use for testing systems at NVIDIA project
- Dependable, able to adapt quickly, and flexible, worked well with other on the team

COMPUTER & TECHNICAL SKILLS

- MS office, MATLAB, C, C++, Python, Arduino IDE, System Verilog, Visual Studio
- LTSpice, CAD Fusion 365, Eagle PCB Design, Quartus, Oscilloscope