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cvincent6.github.io

Education

Northeastern University, Boston MA December 2017
Bachelor of Science in Combined Electrical and Computer Engineering
GPA: 3.87/4.0
Honors: Dean's List (Fall 2013, Spring 2014, Fall 2014, Fall 2015)
Courses: Electronics I-II, Linear Systems, Electromagnetics, Communications Systems, Noise & Stochastic Processes, Networks, Digital Design and Computer Organization, Circuits and Signals, Embedded Design
Activities: Eta Kappa Nu, Tau Beta Pi (Event Coordinator), IEEE, NUHOC, Peer Mentor (Intro to Engineering)

Technical Skills

Programming: C, Java, Python, C++, Matlab, Linux (Ubuntu and Raspbian)
Computer Programs: Altium, Eagle, µVision, STM32CubeMX, MPLAB X, Android Studio, OrCAD Capture, PSPICE, Solidworks, AutoCAD
Projects: Arduino LED Weather Cube (with Raspberry Pi), Riser Control Android App

Technical Experience

Lumenpulse Lighting, Boston MA January – June 2016
Embedded Systems Co-op

- Contributed to microcontroller firmware for CBOX, Lumentone and Lumenfacade products
- Worked on revision of high volume PCBAs including schematic and layout design in Altium
- Commissioned office with Lumenpulse fixtures including Pharos network setup
- Conducted sphere testing on dynamic warm boards to determine LED binning

Draper Laboratory, Cambridge MA January – June 2015
Electrical Engineering Co-op – Sensors and Imaging Systems

- Synthesized and assembled electrical system for pod test set-up
- Reviewed and finalized various schematics for production, including component purchasing
- Developed wireless sensor network research project using Raspberry Pis and open source software
- Pending research paper on Aerial Precision 3-D Ground Surveillance and Localization Using a Network of Inexpensive, Disposable, Image-based Sensors

Naval Undersea Warfare Center, Newport RI June – August 2014
Student Technical Intern – Payload Integration (Possesses Active Security Clearance)

- Worked with REMUS 600 autonomous vehicles in the lab including custom integrations
- Assisted with in-water testing including deploying the vehicle and setting up the test network
- Assembled electronic systems for custom payloads
- Modeled electronics system in OrCAD capture for full schematic overview

Employment Experience

Northeastern University, Boston MA September – December 2015
Course Assistant – Circuits and Signals

- Assisted students in EECE fundamental course lab sessions and at weekly office hours