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John Moody
United States Citizen

Education

Virginia Commonwealth University, Richmond, VA, 23284
> Bachelor of Science, Electrical Engineering, Graduated in May 2015
> Minor(s): Physics, Mathematical Sciences
> Concentration(s): Microelectronics Fabrication and Controls Engineering

UDACity.com Online Courses
> Courses: Algorithms, Full Stack Foundations, Relational Databases, Developing with Android

Skills

- C, C++, Python, psql
- Robotics
- Databases & Algorithms

- Raspberry Pie, Arduino, 3D printing
- Embedded Systems (Sensors, I/O, Firmware, ADC, Com Protocols)

- Experience with Ubuntu - Linux
- Lab Equipment (Solders, O-Scopes, Power Tools, PLA's, *The Works*)

Projects

Venture Creation Competition – (http://www.davincicenter.vcu.edu/programs/vcc/)   Jan. 2015 – Apr. 2015
- Awarded seed money in finals by organizing team, developing business case, and prototyping device that would introduce IoT Capabilities for existing traditional Edison bulbs through WiFi Enabled Mobile Devices using Embedded SoC ESP8266.

Work Experience

Spira Inc. Start Up   Richmond, VA   June. 2016 – Present
Systems Engineer – Under NDA
- Developed, sourced, assembled IOT embedded sensor kit for rugged environment that continuously reports telemetry data. Data is monitored using python, and alerts responsible parties when intervention is prudent.
- Started "Paper Club", weekly meeting to discuss research papers and findings.

Walt Disney Imagineering   Glendale, CA   Jan. 2016 – June 2016
Show Systems Imagineering Intern – Under NDA
- Developed in C with Microchip PIC to handle I/O & CANOpen com protocols for use in rugged environments.
- Assisted with tear down, inventory, and repurposing of animatronics equipment.
- Prototyped guest interface equipment using raspberry pies, python, and various sensor equipment.

Altria Client Services   Richmond, VA   Apr. 2011 – Nov. 2011
Engineering Intern
- Programmed automation equipment in C to interface with sensors and populate databases.
- Provided Engineering Support for Manufacturing and R&D Personnel. Hands on production and testing. Requisitioned and installed equipment as necessary including PLCs, Induction heaters, and sensors.

Cedar Fair's Kings Dominion   Doswell, VA   June 2006 – Oct. 2010
Part Time Position(s): Associate → Team Leader → Supervisor → Area Supervisor
- Supervised team of 5+ Supervisors whom each supervised 5+ staff members in a park with 10,000 – 20,000 visitors and a department earning $1.5 per capita ($25,000+ gross revenue) per day. Used constant radio and in person conferences to assure that actions and expectations were aligned.
- Led employee training on technical operation of games equipment, salesmanship, customer interaction, and company policies through one-on-one and seminar based training. Worked 60+ hours on feet per week.