9184 Breeders Cup Place
Mechanicsville, VA, 23116

John Moody

United States Citizen

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http://M0J01.com

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
Machine Learning Course : February 2017
Self Driving Car Nanodegree : Currently Enrolled - Anticipated Graduation December 2017

Skills

- Keras CNN modeling
- C, C++, Python, Labview
- Scikit-Learn ML libraries
- OpenCV image processing
- Tensorflow
- VMWare Virtualization
- AWS GPU Instances for computing Neural Networks.

Work Experience

Spira Inc. - Start Up — Richmond, VA — June. 2016 – Present
Systems Engineer
- Developed, sourced, assembled IoT sensor board/hardware for rugged environment to continuously report telemetry data. Data is monitored with python script, and alerts responsible parties before intervention is prudent.
- Designed testing fixtures for Algal growth conditions including response to high light exposure, varying light wavelengths, temperature changes, agitation, and various chemical growth mediums.

Walt Disney Imagineering — Glendale, CA — Jan. 2016 – June 2016
Show Systems Imagineering Intern
- Developed in C with Microchip PIC to handle I/O & CANOpen com protocols for use in rugged environments.
- Prototyped guest interface devices using various electronics and mechanical equipment.
- Tested equipment for manufacturability and use in production environment.

Altria Client Services — Richmond, VA — Apr. 2011 – Nov. 2011
Engineering Intern
- Programmed automation equipment in C to interface with sensors and populate databases.
- Requisitioned and installed testing equipment in support of R&D and manufacturing personnel.

Cedar Fair's Kings Dominion — Doswell, VA — June 2006 – Oct. 2010
Part Time Position(s): Associate → Team Leader → Supervisor → Area Supervisor
- Led team of employees in daily operations.
- Performed training on technical operation of equipment through one-on-one and seminar based training.
- Worked 60+ hours on feet per week.

Projects

Venture Creation Competition – http://www.davincicenter.vcu.edu/programs/vcc/ — Jan. 2015 – Apr. 2015
- Prototyped device that would introduce automated IoT capabilities to existing traditional Edison bulbs.

Rail Gun VELA – http://m0j01.com/our-work/ — Jan. 2011 – Apr. 2012
- Designed and manufactured high-voltage high-current rail gun
- Monitored data and controls using LabView