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| 9184 Breeders Cup Place  Mechanicsville, VA, 23116 | **John Moody**  **United States Citizen** | [Moodyj@vcu.edu](mailto:Moodyj@vcu.edu)  804-240-6536  [http://M0J01.com](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 Fabricationand 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

