

JOHN MCCORMACK

Electrical and Computer Engineer

Home: Everett, MA
Current: Lakeland, FL
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SEEKING JOBS IN: INTERNET OF THINGS, SOFTWARE DEFINED RADIO,
WEB DEVELOPMENT, ROBOTICS, AND EMBEDDED SYSTEMS

SOCIAL

jdmccormack.com
github.com/jmccormack200
linkedin.com/in/jdmccormack

LANGUAGES

C
C#
Python
Javascript
Assembly
HTML5 and CSS
Erlang/Elixir

SOFTWARE

Linux
Git
Vagrant/Virtual Box
Node.JS
Flask
Unity3D
PostgreSQL
MongoDB
GNU Radio
MATLAB
EAGLE

HARDWARE

Software Defined Radio
Atmel, TI, ARM Microcontrollers
I2C, SPI, UART
Oscilloscopes and Logic
Analyzers
Spectrum Analyzers
ADC/DAC/DSP
Raspberry Pi and Arduino
Myo Armband
Leap Motion Plus
Oculus Rift

EDUCATION

Florida Polytechnic University

Lakeland, FL • Anticipated Graduation May, 2016
Masters of Engineering
4.0 GPA • Inaugural Class

University of California, Irvine (Extension)

Irvine, CA • 2013-2014
Certificate in Embedded Systems Engineering
3.7 GPA

UMASS Lowell

Lowell, MA • 2008-2012
B.S. Electrical Engineering
Minor in Sound Recording Technology
Magna Cum Laude

WORK EXPERIENCE

Research Assistant

Florida Polytechnic University • 2014 to 2016

My research centers around visualizing and controlling a cognitive radio based wireless sensor network in Unity3D. My current focus is on using GNU Radio and USRP Software Defined Radios to establish the network.

Engineer

Tivoli Audio, LLC • 2012 – 2014

I generated both analog and digital designs in addition to prototyping many new products. I spent 15% of my time in China addressing concerns with contract manufacturers.

Intern

The MITRE Corporation • 2011 – 2012

I produced a white paper outlining a plan to allow software based VoIP phones to be integrated into the current Air Force infrastructure without violating security protocols.