John McCormack

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EDUCATION

FLORIDA POLYTECHNIC UNIVERSITY
Masters of Engineering
Expected May 2016 — Lakeland, FL
GPA 4.0

UNIVERSITY OF CALIFORNIA, IRVINE
Certificate in Embedded Systems Engineering
Sep 2014 — Irvine, CA
GPA: 3.7

UMASS LOWELL
B.S. In Electrical Engineering
Minor in Sound Recording Technology
Grad. May 2012 — Lowell, MA
Graduated Magna Cum Laude

LINKS

Github:// jmccormack200
LinkedIn:// jdmccormack

SKILLS

LANGUAGES
C • C • JavaScript • Python
Assembly• Verilog • Java • LaTeX
HTML 5 and CSS • Erlang • Elixir •
Cobol •
MATLAB Learning
• C++ • Rust

SOFTWARE
Linux • Git • Unity3D • GNU Radio
Companion
• OpenWRT • Node.JS • Vagrant •
Virtual Box
• Flask • PostgreSQL • MongoDB •
SQLite
• Materialize

HARDWARE
Software Defined Radio • Atmel Micro •
TI Micros • Arm Micros
• Surface Mount Soldering •
Oscilloscopes • Spectrum Analyzers
• Logic Analyzers • I2C •SPI •UART
•ADC/DAC
3D Printing

EXPERIENCE

COURSERA — KPCB Fellow + Software Engineering Intern
Expected June 2014 Sep 2014 — Mountain View, CA
- 52 out of 2500 applicants chosen to be a KPCB Fellow 2014.

GOOGLE — Software Engineering Intern
May 2013 Aug 2013 — Mountain View, CA
- Worked on the YouTube Captions team in primarily vanilla Javascript and Python to plan, design and develop the full stack implementation of a new framework to add and edit Automatic Speech Recognition captions.
- Created a backbone.js-like framework for the Captions editor.
- All code was reviewed, perfected, and pushed to production.

PHABRICATOR — Open Source Contributor & Team Leader
Jan 2013 May 2013 — Palo Alto, CA & Ithaca, NY
- Phabricator is used daily by Facebook, Dropbox, Quora, Asana and more.
- I created the Meme generator, the entire Lipsum application, ported Tokens to different apps, fixed many bugs and more in PHP and Shell.
- Led a team from MIT, Cornell, IC London and UHelsinki for the project.

RESEARCH

CORNELL ROBOT LEARNING LAB — Head Undergrad Research
Jan 2014 Present — Ithaca, NY
Worked with Ashesh Jain and Prof Ashutosh Saxena to create PlanIt, a tool which learns from large scale user preference feedback to plan robot trajectories in human environments. Publication submitted.

CORNELL PHONETICS LAB — Head Undergraduate Researcher
Mar 2012 May 2013 — Ithaca, NY
Lead the development of QuickTongue, the first ever breakthrough tongue-controlled game with Prof Sam Tilsen to aid in Linguistics research. Publication submitted.

AWARDS

2014	top 52/2500	KPCB Engineering Fellow
2014	2nd most points	Google Code Jam, Qualification Round
2014	1st/50	Microsoft Coding Competition, Cornell
2013	National	Jump Trading Challenge Finalist
2013	7th/120	CS 3410 Cache Race Bot Tournament
2012	2nd/150	CS 3110 Biannual Intra-Class Bot Tournament
2011	National	Indian National Mathematics Olympiad (INMO) Finalist
2010	National	Comp. Soc. of India's National Programming Contest

SOCIETIES

2014	top 12%ile	Tau Beta Pi Engineering Honor Society
2014	National	The Global Leadership and Education Forum (tGELF)
2012	National	Golden Key International Honor Society
2012	National	National Society of Collegiate Scholars