

Feiran Chen

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EDUCATION

Cornell University, College of Engineering - Ithaca, New York

Master of Eng. in Computer Science

Expected Dec 2015

Double B.S. in Computer Science and Electrical and Computer Engineering

Graduated Magna Cum Laude, May 2015

GPA: 3.8/4.0

Honors: Dean's list, Scribner Scholarship, Cornell ECE Innovation Award 2015

Relevant Courses: Embedded System, Functional programming and advanced data structure, Machine learning, Computer Architecture, Compilers and Practicum, Analysis of Algorithms, Microelectronics, Operating Systems and Practicum, Probability and Inference, Defending Computer Networks, Microcontrollers, Computer Networks & Telcomm

WORK EXPERIENCE

Coursera Inc. - Mountain View, California

Jun 2015 – Aug 2015

KPCB Fellow, Software Engineering Intern, Monetization Team

- 60 out of 2500 applicants chosen to be a KPCB Fellow 2015
- Implemented a customer facing, revenue driving fully interactive page in React, Fluxible
- Designed and Implemented an end to end feature with high revenue potential in React, Fluxible, Scala with Play

Google Inc. - Mountain View, California

May 2014 – Aug 2014

Software Engineering Intern, MySQL SRE Dev

- Implemented a MySQL feature that monitors most recently executed queries in a buffer in C++ and python
- Conducted various throughput and memory usage performance micro-benchmark analysis
- Improved runtime and resource consumption by 400%+, making real time monitoring possible with traffic ~100Mbps

Circuit Printer For Rapid Prototyping - Mountain View, California

Nov 2014 – Present

Co-founder, Embedded Systems Engineer

- Built a circuit plotter on MSP430 that allows PCB designers print conductive circuits over wifi, used C/C++/JS
- Won Google Moonshot Award, GE: IT Imagination at Work Award, 2015 ECE Innovation Award (\$10k award)

Lutron Electronics - Coopersburg, Pennsylvania

May 2013 – Aug 2013

Embedded System Engineer Intern

- Designed and implemented a Zigbee Dimmer prototype using Zigbee mesh network protocol in C
- Architected and developed a RF X-Ray sensor log merging and synchronization algorithm in C#

TEACHING EXPERIENCE

CS4780 (Machine Learning) - Ithaca, New York

Sep 2014 – Dec 2014

CS3110 (Functional Programming & Advanced Data Structure) - Ithaca, New York

Sep 2013 – Dec 2013

CS2110 (Object-Oriented Programming & Data Structure) - Ithaca, New York

Jan 2013 – May 2013

Teaching Assistant, consultant

RESEARCH EXPERIENCE

Cornell Systems Lab - Ithaca, New York

Apr 2015 - Present

Assistant researcher

- Contributing to Supercloud project, which aims to combine Diverse Cloud Providers into a Best-of-Breed Cloud
- Working on Xen-blanket integration with Google Computing Engine
- Researching on the game theoretical approach to the benefits of live VM migration on the cloud

SKILLS

PL: Java, C/C++/C#, Python, Matlab, Ocaml/Scala, Objective C, web languages and frameworks, SQL, Verilog, assembly

Lab skills: Hardware/software integration and testing; Circuit bread-boarding, prototyping, soldering

LEADERSHIP

Operation D.E.E.P. (Developing Elementary Education Possibilities)

TECC (Technology and Education Connecting Cultures) *Founder, President*

Sep 2011 – Dec 2014

Engineer Your Future Forum – The first Career Inspiration From @ Cornell *Founder*

Jan 2015 - Mar 2015

TBP National Engineering Honor Society *Vice-President, Professional Development Chair*

Oct 2013 – May 2015

Cornell IEEE(Institute of Electrical and Electronics Engineers) *Vice President*

Sep 2013 - May 2015