JONYA CHEN

(724) 799-5969   jonya_chen@berkeley.edu
www.jonyachen.com

CURRENT ADDRESS	PERMANENT ADDRESS
1797 Shattuck Ave Apt 413	20 Reach Run
Berkeley, CA 94709	Ithaca, NY 14850

EDUCATION

UC Berkeley, College of Engineering, Berkeley, CA   Expected May 2017
Master of Engineering in Electrical Engineering and Computer Sciences
Relevant Coursework: Interactive Device Design • User Interface Design & Development • R&D Technology Management & Ethics • Product Management • Organizational Behavior for Engineers

Cornell University, College of Engineering, Ithaca, NY   August 2012 - May 2016
Bachelor of Science in Electrical and Computer Engineering, minor in Computer Science (GPA: 3.4)
Relevant Coursework: Object-Oriented Programming and Data Structures • Digital Logic and Computer Organization • Circuits • Embedded Systems • Discrete Structures • Information Retrieval • Artificial Intelligence • Digital Signal Processing • Computer Architecture • Microcontrollers • Computer Networks

RELEVANT EXPERIENCE

UC Berkeley, Berkeley, CA   August 2016 – Present
Product & Project Manager
Designed and prototyped a user interface to conduct life cycle assessment to measure environmental impact and manufacture greener products • Programmed interface and connected to life cycle inventory databases

Cisco, San Jose, CA   May 2016 – August 2016
Software Development Intern
Developed an application that configures Cisco wireless access points through BLE (Bluetooth Low Energy) technology protocol • Programmed on the TI CC2650 microcontroller unit using C and the BLE stack

Intel Corporation, Hudson, MA   May 2015 – August 2015
Pre-Silicon Validation Intern
Performed coding tasks and implemented simulation tools to improve team's validation process for next generation server processor • Created test benches using SystemVerilog, Open Verification Methodology, and Perl scripting • Spearheaded the setup of a volume validation system utilized by entire team

Microsoft, Seattle, WA   May 2014 – August 2014
Software Development Intern
Created BingSky, a Windows 8.1 application that enhances a user's experience when exploring the sky in the August 2014 shipped release of Bing Maps Preview • Designed, planned, and implemented 3D real-time visual features within the map environment using DirectX graphics and C++ • Constructed an algorithm for determining celestial body positions based on user system time

Computer Systems Laboratory – Batten Research Group, Ithaca, NY   May 2013 – August 2013
Undergraduate Hardware Researcher
Quantified how much specialization can improve the performance and energy efficiency of microprocessors • Designed, tested, and evaluated my own hardware coprocessor • Utilized an FPGA board in order to implement a sorting algorithm and analyze factors such as area, cycle time, or energy

ADDITIONAL EXPERIENCES

CS 4700: Artificial Intelligence   August 2015 – December 2015
Teaching Assistant

Theta Tau Professional Engineering Fraternity   September 2013 – May 2016
President

Cornell Engineering Ambassadors   March 2013 – May 2016
Co-President

Cornell Society of Women Engineers   October 2012 – May 2016
Publicity Director, Corporate Relations Liaison

Cornell IEEE (Institute of Electrical and Electronics Engineers)   October 2012 – May 2016
Publicity Director

Alpha Epsilon Phi Sorority   January 2013 – May 2016
Class Vice-President, Social Chair

HONORS AND AWARDS

Cornell Engineering Dean's List (2014-2016) • Microsoft Diversity Award and Scholarship (2014) • Cornell ECE Early Career Research Scholars Grant recipient (2013) • Cornell Society of Women Engineers Initiative Award (2013) • Cornell Engineering John McMullen Dean's Scholar (2012)

SKILLS

Software: Autodesk Inventor, Altera Quartus, Microsoft Visual Studio, Cadence, Vim, Git, UNIX/Linux, LaTeX
Programming: Java, Matlab, Verilog, SystemVerilog, Assembly, C/embedded, C++, Perl, HTML, CSS