Charles V. Wang

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Education

University of Michigan College of Engineering   **August 2013 - Present**
GPA: 3.94/4.00   Expected Graduation: December 2016
Major: B.S.E Computer Science   Minor: Mathematics.
Awards: James B. Angell Scholar (three straight semesters of As); 2nd Place Facebook Security Capture the Flag.
Activities: MPowered Tech Team; Michigan Hackers Core; UROP Research; Hackathons; HKN Electee; ACM-
ICPC Programming Team; University of Michigan Men's Glee Club.

Shanghai Jiao Tong University (Joint Institute Program)   **May 2014 – August 2014**
- Took EECS courses and a philosophy course while being immersed in a Chinese university environment.

Stanford University (Stanford High School Summer College)   **June 2011 – August 2011**
- Took an electrical engineering design course and introduction course to microeconomics.

Experience

Tech Team Director for MPowered Entrepreneurship   **January 2015 – Present**
Overseeing website and mobile app development.

iOS Developer for Michigan Hackers   **January 2015 – Present**
Developing apps purposed for student and group productivity.

UROP Researcher at the University of Michigan for Asst. Prof. Hui Jiang   **September 2013 – April 2014**
Designed software that indexes thousands of cancer patients' genomes to quickly determine if a given DNA
mutation sequence is contained throughout the genome database (more details on my website).

Lab Research Intern at UC Berkeley under Professor Vivek Subramanian   **June 2012 – August 2012**
Developed a process that optimized the conductivity of aluminum-doped zinc oxide (ZnO:Al) to be used in
biodegradable electrodes and was exposed to research equipment like probe stations, profilometers and even
beam lines at SLAC.

Skills

- Languages – C++, Java, C, & MATLAB
- Android & iOS Development – Java, Swift, Objective-C, XML, JSON, PHP, SQL, and databases.
- Dev Tools/Environment – UNIX (Linux & OS X), Github
- Other – Verilog, HTML, & CSS

Projects

More details can be found on my website.
- Held a Computer Science workshop to introduce middle school students to mobile game app development.
- Built an 8x8x8 LED Cube and programmed an FPGA board in assembly to graph 3D functions (team of four).
- Built an automated vinyl record cleaner for my senior project (team of two).
- Built a portable MP3 player for my Stanford summer engineering design course (individual).