Kimberli Zhong

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Student — Massachusetts Institute of Technology (2014-2018); 5.0 GPA
- B.S. in Computer Science & Engineering
- *Completed:* Intro to Algorithms, Elements of Software Construction, Math for Computer Science, Differential Equations, Intro to EECS I, Multivariate Calculus, Intro to C/C++, Web Programming Competition,

Work Experiences

Engineering Practicum Intern — Google (Summer 2015)
- Developing an Android app for profiling and benchmarking Android libraries using Java and C++
- Creating a framework that automatically drives the benchmarks and tracks performance changes

Software Development Intern — fxdgr (January 2015)
- Developed asynchronous collaborative editing web application using SQLite, Tornado, JavaScript

Cybersecurity Intern — Naval Postgraduate School Center for Cyber Warfare (Summer 2013)
- Investigated Windows operating system security
- Used the C++ programming language to write and test malware

Engineering Experiences

Competitor — MIT IAP Web Programming Competition (2015)
- Worked with a team of two other freshmen on fleekon.me, a web app for academic competition preparation
- Used Node.js, AngularJS, MongoDB
- *Most Responsive Design & 4th Place Winner* - Main Division (2015)

Captain — Robotics competition teams 5327C & 5327A (2011-2014)
- Led 10-member team in designing, building, programming, and testing a VEX competition robot
- *Division Champion* - VEX World Championship (2014); *Judges' Award* - VEX World Championship (2013)

Developer — Robotics engineering notebook website (2013-2014), robotics scouting database app (2013)
- Implemented online system for keeping track of robotics team meetings based on MediaWiki
- Led team in creating internationally recognized robotics scouting database using MySQL, PHP

Creator — typID keystroke dynamics authentication system (2014)
- Built keystroke biometrics web application for preventing academic plagiarism as hackathon project
- *Best Education App* - HSHacks (2014)

Maker — Home automation project (2013-2014), Quadcopter UAV (2014)
- Developed system to control bedroom's lighting, music, and alarms using a Raspberry Pi server
- Constructed web interface and NFC-based control system using Bash scripts, PHP, JavaScript
- Built quadcopter from scratch as a short summer project

Leadership Experiences

Organizer & Co-Director — HackMIT (2014 & 2015), Blueprint (2015)
- Coordinate logistics and sponsor relations for high school and undergraduate hackathons

Officer & Founder — Dublin High School Robotics Club (2010-2014)
- Created club website and collaborated on outreach, sponsorship, and publicity efforts

Skills
- Python, Java, AngularJS, PHP, JavaScript, MySQL, CSS, C, C++, Git, LaTeX