

Kimberli Zhong

<http://kimberli.me>

(925) 255-5295

kimberli@mit.edu

Cambridge, MA / Dublin, CA

<https://linkedin.com/in/kimberlizhong>

Student — Massachusetts Institute of Technology (2014-2018), B.S. in Computer Science & Engineering

- *Completed:* Intro to EECS I, Multivariate Calculus, Intro to C/C++, Web Programming Competition
- *Current:* Intro to Algorithms, Elements of Software Construction, Math for Computer Science, Differential Equations

Work Experiences

Software Development Intern — fxdgr (January 2015)

- Developed asynchronous collaborative editing web application using SQLite, Tornado WebSockets, 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

Cell Biology Researcher — UC Davis Department of Molecular Biosciences (Summer 2012)

- Studied Huntington's disease in an independent project using cell culture, microscopy, and densitometry

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
- *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 Robotics World Championship (2014)
- *Judges' Award* - VEX Robotics World Championship (2013)
- *Excellence Award, Tournament Finalist, Programming Skills Champion* - VEX CA State 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 — Blueprint (2015), HackMIT (2014)

- 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