

# 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), 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
- *Planned, Fall:* Computation Structures, Software Studio, Artificial Intelligence, Advances in Computer Vision

## Work Experiences

**Engineering Practicum Intern** — Google (Summer 2015)

- Developed an Android app for benchmarking Android libraries using Java and C++
- Built a test system that runs automatically and tracks historical data on the web using Python, Flask, Angular

**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 undergraduate and high school 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