

# Kimberli Zhong

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**Student** — Massachusetts Institute of Technology (2014-2018), Dublin High School (2010-2014; 4.6 GPA)

- Anticipated B.S. in Electrical Engineering & Computer Science

## Work Experiences

**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

**VEX Robotics 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)

- Designed and created online system for keeping track of robotics team meetings to replace paper notebooks
- Led team in creating internationally recognized robotics scouting database using PHP, MySQL, CSS

**Creator** — typID keystroke dynamics authentication system (2014)

- Built keystroke biometrics web application for authenticating students 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 PHP, JQuery, Bash scripts
- Built quadcopter from scratch as a short summer project

**Special Olympics Volunteer** — Soccer & basketball machine design team (2012-2013)

- Built and demonstrated machines to help handicapped students participate in local Special Olympics
- *First Place & Best In Engineering Category* - Alameda County Science Fair (2013)

## Leadership Experiences

**Officer & Founder** — Dublin High School Robotics Club (2010-2014)

- Created club website and collaborated on outreach, sponsorship, and publicity efforts

**Organizing Team Member** — HackMIT (2014)

- Help coordinate logistics and sponsor relations for a 1000+ student hackathon

## Skills & Coursework

- Java, Python, PHP, JavaScript, MySQL, CSS, HTML, C, C++, Git, LaTeX
- Autodesk Inventor 3D mechanical design software, Adobe Photoshop
- 6.01 (Intro to EECS I), 8.02 (Physics II), 18.02 (Multivariable Calculus)

## Other Honors

- *First Place* - CA State PLTW Engineering competition (2011)