Kimberli Zhong

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Student — Massachusetts Institute of Technology (2014-2018)
- ○ Anticipated B.S. in Computer Engineering & Computer Science
- ○ Coursework: Intro to EECS I, Intro to C/C++, Web Programming Competition

Work Experiences

Software Development Intern — fxdgr (January 2015)
- ○ Developing asynchronous collaborative editing web application using MongoDB, 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

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)
- ○ 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, jQuery
- ○ 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

Organizing Team Member — 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, PHP, JavaScript, MySQL, CSS, HTML, C, C++, Git, LaTeX