

YOUNG LI

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Education

University of Illinois at Urbana-Champaign

Aug. 2014 – present

Sophomore, Computer Engineering (GPA 3.42)
Expected graduation date – Dec 2017

Past/Current Computer Engineering classes

- ECE 210 – Analog Signal Processing
- ECE 220 – Computer Systems and Programming
- ECE 330 – Power Circuits and Electromechanics
- ECE 391 – Computer Systems Engineering
- CS 225 – Data Structures
- CS 173 – Discrete Mathematics
- BTW 261 – Principles of Technical Communication

Future classes

- ECE 464 – Power Electronics
- CS 431 – Embedded Systems
- CS 461 – Computer Security I
- CS 484 – Parallel Programming

Skills and Interest

Software development knowledge

- Strong in C, Python
- Basics of Git, Subversion, C++, Java

Experience in Linux

- Basics of bash scripting, command line tools

Open source development experience

- Contributed documentation to the GNOME project

Strong writing skills

- Organized and concise writing for technical tutorials, documentation, and wiki pages

Experience with circuits and microcontrollers

- Use of Arduinos, MSP 430/432 and associated software to make basic circuits

Strong interest in learning computer-related subjects

- Self-motivated and eager to learn all computer science and computer engineering related subjects

Work Experience

Engineering IT Student Consultant

Oct. 2015 – present

- Computer lab maintenance (Windows and Linux), hardware and software troubleshooting
- Requires strong problem solving and communication skills
- Heavy interaction with customers and peers

Extracurricular Activities

MRDC Robotics, team ILLINihilation

Aug. 2014 – present

- Programming the robot using a Teensy microcontroller and C++
- Cross-team collaboration for mechanical design, electronics, and control systems

Spark Magazine (<https://ieee.illinois.edu/spark/>)

Aug. 2015 – present

- Wrote and collaboratively edited articles about STEM
- One edition released every semester

IEEE TAG-Circuits

Aug. 2015 – present

- Learned circuit design via hands-on projects e.g. audio processing, cell phone charger
- Used EAGLE and LTspice for circuit schematics and PCB layout

FIRST Tech Challenge Robotics, Team VOID

Aug. 2011 – Apr. 2014

- Small team of seven working together; required strong communication skills and teamwork
- Wrote all code for the robot (remote controlled operation and autonomous behaviors)
- Placed second in the Northern California regional championship in April 2013

Awards and Recognition

- National Merit Scholarship Finalist, 2014
- AP Scholar with Distinction, National AP Scholar, 2013, 2014
- The President's Volunteer Service Award, 2012
- Mission San Jose High School Honor Roll student, 2010-2014