

# 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 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 – Dec 2015**

- 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://iee.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