YOUNG LI

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Objective An internship in software development that utilizes my communication skills.

Education

University of Illinois at Urbana-Champaign
Bachelor of Science in Computer Engineering, May 2018
GPA: 3.42/4.0

Courses

Computer Systems Programming	Analog Signal Processing
Discrete Structures	Power Circuits and Electromechanics
Computer Systems and C Programming	Principles of Technical Communication

Employment

Oct 2015 – Dec 2015 — Engineering IT Student Consultant

Maintained UIUC's engineering lab computers and printers
Assisted full-time IT staff in providing tech support for students and faculty
Effectively resolved technical issues using verbal and written communication

Activities

Aug 2015 – present — IEEE TAG-Circuits

Designed a laser-powered guitar in a team of seven
- Created a custom PCB for all the circuit (photodiodes, lasers, soft potentiometers)
- Programmed an Arduino Mega and a Sparkfun Music Shield to generate sound
- Modified a cheap guitar by mounting the lasers and soft potentiometers

Learned soldering and basic circuit design including filters, op amps
Simulated circuits with LTspice
Designed PCBs with EAGLE

Aug 2014 – present — Midwestern Robotics Design Competition, team ILLINIhilation

Collaborating with more than twenty peers in the electrical and programming teams
Controlled the robot with Chibi RTOS on a Teensy microcontroller
Operated multiple processes asynchronously using semaphores and mutexes
Coded controls in C++ and processed controller input with C#
Competed against more than forty teams and placed fifth in March 2015

Sept 2010 – present — Software Development Skills

Languages:	C, Python
Tools:	Linux command line, Git, Subversion
Other:	Wrote documentation for the GNOME Project

Interests

Free/open source software, technical writing, Linux, embedded systems, cybersecurity