JACOB HLADKY

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OBJECTIVE   An exciting and engaging summer internship

EDUCATION

California Polytechnic State University, San Luis Obispo
Bachelor of Science in **Computer Engineering,** September 2011 – present
GPA: 3.59   Dean's List – 3 quarters

EMPLOYMENT EXPERIENCE

Cisco Systems, Inc.   San Jose, CA   June 2013 – September 2013
Hardware Engineering I Internship
- Part of Global Development Services group
- Assisted in testbed configuration and troubleshooting
- Developed large-scale VM deployment solution

PROJECTS

Basic CPU boot loader   Winter 2013
- Final project for *Computer Design and Assembly Language Programming* class
- Wrote a VHDL module to load assembly language programs onto a CPU (written for the class) without need for re-synthesis of the entire CPU project
- Wrote UART module to load assembly program from serial connection

Arduino Controlled RC Car   Spring 2012
- CPES project to control a generic RC car with an Arduino microcontroller
- Added infrared and touch sensor modules; programmed the Arduino to interact with these modules

LED Cube   September 2012 – present
- IEEE project to construct a cube with each face containing 9 8x8 LED matrices
- Part of the group constructing a driver for the LED controllers
- Designed generic interface in C for simple LED control

SKILLS

- Experience with C, Java, and VHDL
- Familiar with C++ and JS/HTML/CSS
- Very comfortable in GNU/Linux, command line and desktop environments

INVOLVEMENT

- Computer Engineering Society (CPES)
- Institute of Electrical and Electronics Engineers (IEEE)