JACOB HLADKY

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OBJECTIVE An exciting an engaging job

EDUCATION

California Polytechnic State University, San Luis Obispo
Bachelor of Science in Computer Engineering, September 2011 âĂŞ present
Expected Graduation: Spring 2015
GPA: 3.4 Dean's List — 4 quarters

RELEVANT COURSES

Networks	Advanced Computer Architecture
Programming Languages	Operating Systems
Advanced Systems Programming	Embedded Programming

EMPLOYMENT EXPERIENCE

Cisco Systems, Inc. San Jose, CA June 2013 – September 2013
Hardware Engineering I Internship

- Part of Global Development Services group
- Assisted in network configuration and troubleshooting
- Developed large-scale virtual machine deployment solution

PROJECTS

Embedded IPv6 Network Stack Summer 2014 – present

- Final project for undergraduate degree
- Library of functions to support IPv6 on network layer as well as TCP/UDP on transport layer
- Designed specifically for use on embedded systems such as the ATMega

Event Driven Physics Engine Spring 2014

- Implemented design of a basic physics engine as part of course in Advanced C
- Focus on optimization through extensive use of profiler tools and advanced data structures

Hardware Bootloader Module Winter 2013

- Final project for class in hardware design and assembly language
- Wrote VHDL module to load assembly programs onto custom CPU architecture without need for hardware re-synthesis

SKILLS

- Experience in C, Java, JavaScript, and VHDL
- Familiar with revision control, DBMS, and GNU/Linux

INVOLVEMENT

- IEEE Student Branch Cal Poly — Treasurer