

Yibo Ji

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OBJECTIVE

To obtain an internship in the field of Computer Science during Summer 2016

EDUCATION

- Expected Dec. 2016 **University of Southern California, Los Angeles, California, USA**
- Master of Science in Computer Science, GPA 3.86/4.0
- Jul. 2013 **Hefei University of Technology, Hefei, Anhui, China**
- Bachelor of Engineering in Measuring Testing Technologies and Instruments, GPA 3.3/4.0

SKILLS

- Languages C/C++, Java, Python, Linux shell scripts, Linux programming
- Web HTML, CSS, JavaScript, PHP, JQuery, SQL, AJAX, JSON, XML, CodeIgniter, Bootstrap, AngularJS
- Embedded System Programming and designing hardware for embedded systems based on ARM Cortex M3, ARM Cortex M4, ARM Cortex A7 and ARM 926EJ0S processors
- Tools VIM, GDB, Make File
- Software Eclipse, PhpStorm, Altium Designer, PSpice, MATLAB, AutoCAD
- Operating System Unix, Debian Linux, Arch Linux

WORK EXPERIENCE

- Aug. 2015-present **Research Assistant, Information Sciences Institute of University of Southern California, LA, USA**
- Developing a Linux based wireless platform for leaking detection of gas pipeline. I am responsible for the application program, Linux drivers and hardware design.
- Nov. 2013-May. 2014 **Research Assistant, Hefei University of Southern California, Hefei, China**
- Developed a gateway adaptor for connection of two industrial networks, PROFIBUS and CANopen. Implemented its software and hardware based on ARM Cortex-M3 processor.

ACADEMIC PROJECTS

- Fall 2015 **Weenix OS kernel hacking, C/C++; Course: Operating System**
- Implemented the kernel process, thread, mutex and scheduler functions for Weenix OS.
- Summer 2015 **Manage-side and Customer-side website for e-commerce company; Course: Web Technology**
- Implemented these two sides website using HTML, CSS, JSP, JQuery, AJAX, JSON and CodeIgniter.
- Spring 2015 **Socket Programming, C/C++; Course: Introduction to Computer Networks**
- Implemented program of clients and servers so that clients can request information from servers through Internet like the way of what DNS request does.
- Spring 2015 **Java Programming; Course: Introduction to Programming Systems Design**
- Implemented a solitaire game, an emulation of random walk and a maze game by java.

HONORS AND AWARDS

- 2012 **National First Prize in China, 7th National Undergraduate Students "Freescale Cup" Intelligent Car Competition**, awarded by the Freescale Semiconductor
- Developed a model racing car based on ARM processor using a rotatable sensor to follow up racing routes, and came up an innovative follow-up algorithm to meet high-speed requirement.

PUBLICATIONS

Yibo Ji, Yang Zhang, and Zhilong Liu. (2013). "Design of follow-up control in auto-tracking smart car system." Applied Mechanics and Materials, 312-324, 635.

WORK AUTHORIZATION F-1 Visa