CATHY JI

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EDUCATION

University of Southern California, Los Angeles, CA   May 2017 (expected)
B.S. Computer Engineering and Computer Science, Minor in Business Administration
GPA: 3.74/4.0

PROFESSIONAL EXPERIENCE

VMware, Technical Intern, vSphere Update Manager Team, Palo Alto, CA   June 2015 – August 2015
- Testing and expanding DBMS support for a C++ database abstraction layer interfacing ODBC

Intel Corporation, Technical Intern
MIC Software Team, Hillsboro, OR   June 2014 – August 2014
- Contributed to Alpha productization of a C++ software for parallel computing using Intel MIC co-processors
- Implemented user-friendly API layer over source code along with reference application using API

BIOS Development Team, Hillsboro, OR   May 2013-August 2013
- Added system exploration features to Python API layer of the open-source Intel BIOS Implementation Test Suite
- Debugged BIOS for Intel's 2nd generation MIC Architecture-based processors

USC Spatial Sciences Institute, Student Researcher, Los Angeles, CA   August 2013-December 2013
- Researched open source optical character recognition (OCR) software for use in reading maps
- Built test applications using the Tesseract OCR engine to analyze Taiwanese military maps

Global Playground, Web Content Manager, Washington, DC   October 2011-Present
- Publishing updates to the official Global Playground website and making site-wide improvements
- Aiding in decision-making and implementation of organization-wide technology, software, and web tools

TECHNICAL PROJECTS

Audio Alert, Android Application   February 2013
- Developed mobile application to detect and notify hearing-impaired users of aural emergency alerts for the February 2013 Project:Possibility SS12 Hackathon
- Presented at 28th Annual International Technology and Persons with Disabilities Conference

SimCity201, Java Application   December 2013
- Designed, developed, and tested agent-oriented simulation of a city using configuration management tools and processes to coordinate six-member team over full development lifecycle

"Open Canteen" Cafeteria Rating System, Web Application   May 2014
- Developed Perl-based web application to create, rate, detail, and review items available in university cafeterias

High Flyer Game, C++ Game   May 2013
- Developed obstacle avoidance game written in C++ using the Qt UI framework

SELECTED ACHIEVEMENTS AND AWARDS

- Tau Beta Pi Engineering Honor Society (top 13% in class)   December 2013-present
- First Place, "It's All About Inclusion" Computer Science Competition   January 2013
  Presented project at 2013 Association of Computing Machinery SIGCSE Symposium
- USC Presidential Scholarship Recipient (half-tuition award)   August 2012-present

TECHNICAL SKILLS

- Languages: C/C++, Java, Python, Perl, HTML, CSS, Javascript, Verilog

LEADERSHIP ACTIVITIES

- Women in Computing, *Co-President*   August 2014-present
- USC Bicycle Coalition, *President*   August 2014-present
- Tau Beta Pi, *USC Chapter President*   May 2015-present
- USC Women's Rowing Team; USC Women's Rugby Team   August 2012-present