Adam Papamarcos

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EDUCATION

Cornell University, College of Engineering, Ithaca, NY
B.S. Electrical and Computer Engineering, Cum Laude, May 2011 • GPA: 3.7 / 4.0
Minor: **Computer Science**

Honors & Awards

John McMullen Scholar • Dean's List all semesters • 1st place (Director's Prize), ECE Day 2010, Microcontroller Design Competition • Successfully completed the requirements of the Engineering Co-op Program • National AP Scholar • National Merit Finalist

Relevant Courses

Systems: Computer Architecture • Computer Organization • Design with Microcontrollers • Computerized Instrumentation Interface Design • Digital Logic Design • Networks & Systems

Signals: Digital Signal Processing • Random Signals in Communication & Signal Processing • Math of Signal & System Analysis • Signals & Information • Probability & Random Signals

Electronics: Microelectronics • Circuits

Computer Science: Algorithms • Data Structures & Functional Programming • Scientific Computing • Object-Oriented Programming and Data Structures • Discrete Structures • C Programming

Physics/Math: Electromagnetic Fields & Waves • Electricity & Magnetism • Waves, Optics, and Particles • Multivariable Calculus • Differential Equations • Linear Algebra

TECHNICAL EXPERIENCE

Apple Inc., Cupertino, CA
Firmware Engineer, Human Input Devices (July 2011 – present)

Intel Corporation, Massachusetts Microprocessor Design Center, Hudson, MA
DFX Logic/Architecture Team*, Itanium Enterprise Server Microprocessor* (Aug. 2009 – Jan. 2010)

- Debugged validation test case failures on RTL models
- Resolved functional bugs, tested and analyzed waveforms to verify functionality
- Programmed functional & timing assertions to ensure correct design and implementation

Cbox Logic/Architecture Team*, Xeon Server Microprocessor* (June 2010 – Aug. 2010)

- Developed infrastructure to detect X signals (unknown logic value) in 4-state RTL model
- Modified RTL to eliminate X state elements after reset phase to ensure deterministic behavior

Cornell University Course Management System, Cornell University Department of CS, Ithaca, NY
Enterprise Java Application Developer (Fall 2008 – Fall 2010)

- Developed code in Java Enterprise environment for new features and improved performance
- Improved user interface for web layer by implementing client-side JavaScript features
- Researched new persistence/abstraction technologies for feasibility in existing system

RELATED EXPERIENCE

CU Emerge Leadership Institute (Spring 2008), Cornell University, Ithaca, NY
Selected to participate from College of Engineering students; gained numerous leadership skills from seminars and interactive training sessions throughout the semester:

- Team and Leadership Development, Leadership Styles (using MBTIs), Group Dynamics and Communication, Building Inclusive Teams and Organizations, Event Planning and Management

TECHNICAL SKILLS

Programming Languages: Java (J2SE, J2EE) • C/C++ • Perl • Verilog

Web Development: HTML • JavaScript • CSS • Enterprise JavaBeans (EJB) • JavaServer Pages (JSP) • JBoss Application Server • SQL • PHP • Flash

Tools: Microsoft Office • Adobe Creative Suite • Visual Studio • Eclipse IDE • MATLAB • LaTeX • 3D Studio Max • Windows, Mac OS X, Unix

Other: 3D modeling, texturing, animating, character rigging • Digital audio/video editing