Ian Lee

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Objective

Seeking an internship or entry level position developing and maintaining hardware for integration into complex systems utilizing experience, leadership, and dedication to accomplish my tasks.

Education

Ph.D., Computer Engineering **June 2014**
University of California, Santa Cruz, CA

B.S.E., Computer Engineering **May 2009**
University of Connecticut, Storrs, CT
Minors: Mathematics, Physics

Research Interests

Computer Architecture (Memory Hierarchy and Performance, Multi/Many Core Architecture, Ultra Low Energy Computing), Parallel and High Performance Computing, VLSI Design Automation, Thermal Modeling and Simulation, Computer Networks, Digital Logic Design

Work Experience

Lawrence Livermore National Laboratory
Summer Internship **June 2010 to September 2010**

- ✓ Worked extensively with CUDA technology to develop benchmarking and stress testing applications in support of the JIEDDO Ultra-Wideband Radar project.
- ✓ Developed a real time tracking application for tracking and identifying target position, orientation, and velocity, with CUDA enabled acceleration.

University of California, Santa Cruz
Teaching Assistant **September 2009 to Present**

- ✓ Led twice weekly discussion sections for courses in Computer Networks & Computing Systems and Assembly Language.
- ✓ Performed grading, forum management and related duties as required by the course.

Bentley Systems
Applied Research Intern **May to September 2009**

- ✓ Developed and implemented parallel computing application for water modeling software.
- ✓ Established test procedure to evaluate performance and feasibility of test model.
- ✓ Presented methodology and results to Senior Bentley colleagues.

University of California, Santa Cruz
SURF-IT Research Fellowship **June to August 2008**

- ✓ Developed tools for benchmarking the parallel computational performance of NVIDIA Graphical Processing Units, using NVIDIA CUDA technology.
- ✓ Benchmarks designed and implemented without a provided framework.

Southridge Technology Group
Technician **June 2007 to January 2009**

- ✓ Provided mission critical support for small to medium scale businesses.
- ✓ Maintained and supported personal computers, servers, and network infrastructures and hardware, including printer, router, and wiring support.

Technical Skills

- ✓ C, C++, CUDA, OpenCV, Assembly, VHDL, Java, Bash
- ✓ Visual Studio 2008/2010, Cadence PSpice/Virtuoso/Spectre, Logicworks, ModelSim, Matlab, Eclipse, Microsoft Office
- ✓ Windows 95/98/ME/2000/XP/Vista/7, Server 2003 Standard/ SBS, Linux (CentOS, Ubuntu)

Activities and Interests

Association for Computing Machinery – 2009 to Present
Institute of Electrical and Electronics Engineers – 2008 to Present
Cheezic Tang Soo Do UConn – Founder & Head Instructor – 2006 to 2009
Venture Scouts of America – 2005 to Present
Cheezic Tang Soo Do Federation – 2000 to Present
Boy Scouts of America – 1998 to Present
World Tae Kwon Do Federation – 1998 to 2000