

Michael George Paulding

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EDUCATION: University of Hawaii at Manoa, Honolulu, HI

Degree: Candidate for Ph.D. in Information and Computer Sciences
Cumulative G.P.A. – 3.96/4.0

Bucknell University, Lewisburg, PA

Degree: BS in Computer Science and Engineering, Magna Cum Laude, May 2002

Computer Experience: Sun Certified Java Programmer, C/C++, Visual Basic, Perl, Eiffel, LISP, Scheme, Pascal, MIPS, Sun Solaris, Linux and UNIX Workstations, Windows XP/NT, TCP/IP, MS Office Suite

WORK

EXPERIENCE: Research Assistant, Collaborative Software Development Lab, UHM (01/2004 – Present)

- Performing research on measurement and analysis of software telemetry data to improve productivity of high performance and parallel computing systems.

Graduate Intern, Sun Microsystems, Inc. (Summer 2004)

- Implemented purpose-based benchmarks to identify key High Performance Computing System (HPCS) productivity bottlenecks and developed tools and techniques to overcome them.

Professional, JP Morgan Chase (08/2002 – 08/2003)

- Developed a real-time application to support in-house traders calculate profit maximizing prices from fixed income brokers.
- Designed a distributed platform to compute financial analytics for bonds and other fixed income instruments, processed in real-time.

Applications Delivery Intern, JP Morgan Chase (05/2001 – 08/2001)

- Developed VB application to verify fixed income broker pages between trader monitoring software and a remote database. Automated log to report discrepancies.
- Converted existing trader application to retrieve real time prices from a Tib publishing backbone. Modified trader application for improved performance.

TEACHING

EXPERIENCE: Lecturer, Kapi'olani Community College (01/2005 – Present)

- Co-taught ICS111 - Introduction to Computer Science I with Java
- Course was delivered through face-to-face and online meetings.

Teaching Assistant, Programming Languages, Networks and Web Programming courses, University of Hawaii at Manoa (08/2003 – 05/2004)

- Provided face-to-face information and remedial sessions for students outside scheduled course hours.
- Designed grading schema and assessed student work for assignments and exams.

Calculus I, II, III Tutor, Bucknell University (01/2000 – 05/2002)

- Met biweekly with two students in need of Calculus help throughout semesters.
- Underwent extensive training through the Career Development Center for improved communication in mathematics.

ACTIVITIES / : “A Bounded Linear Approximation for Multiprocessor Job Scheduling” -

HONORS Research with Dr. Antonio Miranda, Bucknell University (11/2001-05/2002)

Tau Beta Pi, National Engineering Honor Society (10/2001-Present)

Alpha Lambda Delta, National Honor Society (05/1999-Present)

Phi Eta Sigma, National Academic Fraternity (08/1999-Present)