

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. – 3.94/4.0

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

- Implementing purpose-based benchmarks to identify key High Performance Computing System (HPCS) productivity bottlenecks and the development of tools and techniques to overcome them.

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.

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

- Developed a real-time programming language to build applications that 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: Teaching Assistant, Networks and Web Programming courses, UHM (08/2003 – Present)

- Provide face-to-face information and remedial sessions for students enrolled in online courses, with primary instructors based in London and Norway.
- Design grading schema and assess students for programming 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.

Teaching Assistant, Engineering 100, Bucknell University (08/1999 – 12/2001)

- Facilitated a discussion session for students seeking help outside of class.
- Prepared supplementary notes for lecture and drafted answer keys for exams.

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)