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OBJECTIVE A career as an educator of computer science. Looking for a position as faculty teaching computer science with research interests in Computer Architecture.

EDUCATION **Binghamton University, State University of New York**
Doctor of Science, Computer Science, Expected May 2011

- Received Graduate Student Award for Excellence in Teaching 2007-08

Master of Science, Computer Science, August 2006

- Thesis: Quantifying the Impacts of Disabling Speculation and Relaxing the Scheduling Loop in Multithreaded Processors
- Awarded Clifford D. Clark Underrepresented Minority Graduate Fellowship

Bachelor of Science, Computer Science, May 2004
Bachelor of Arts, Psychology, May 2004

PUBLICATIONS

- “Reducing Register Pressure in SMT Processors through L2-Miss-Driven Early Register Release”, Joseph Sharkey, Jason Loew, Dmitry Ponomarev, ACM Transactions on Architecture and Code Optimization (TACO 2008).
- “Two-Level Reorder Buffers: Accelerating Memory-Bound Applications on SMT Architectures”, Jason Loew and Dmitry Ponomarev, 37th International Conference on Parallel Processing (ICPP 2008).
- “Aggressive Scheduling and Speculation in Multithreaded Architectures: Is It Worth Its Salt?”, Jason Loew and Dmitry Ponomarev, to appear in the 20th International Symposium on Computer Architecture and High Performance Computing (SBAC-PAD 2008).

PROJECTS Current maintainer for M-Sim 3.0, a multi-threaded, multi-core, Alpha (Tru64) simulator. Details can be found at <http://www.cs.binghamton.edu/~msim>.

TECHNICAL SKILLS Experience with C/C++, 8086/Alpha Assembler, HTML, Prolog, Haskell, Oz, Python A+ Computer Technician Certification – Assembly, Service, Troubleshooting Kernel Programming (Linux 2.4.27), Sensor Programming, Soldering

EXPERIENCE **Binghamton University: Department of Computer Science**
Instructor of Record: Spring 2010

- Junior-level course on Computer Architecture.

Co-Instructor: Spring 2009, Fall 2009

- Junior-level course on Computer Architecture.

Instructor of Record: Summer 2007, Summer 2008

- Sophomore-level course on Data Structures and programming in C++.

Course Assistant: September 2005 – May 2008

- Assistant for a graduate level course on Computer Architecture: Spring 2008.
- Assistant for an introductory class in Python. Fall 2006, Fall 2007.
- Assistant for a class on Logic Design and basic IC usage. Spring 2006.
- Assistant for a class on Data Structures and programming in C++. Fall 2005, Spring 2007.

Binghamton University: Department of Psychology
Teaching Assistant, September 2003 – May 2004

- Assistant for an Introduction to Psychology laboratory course.

**Broome Community College: Learning Assistance Center
Peer Tutor, October 2003 – December 2003**

- Assisted college students in math and physics courses.

Broome County Urban League: Technology Center

Teaching Aide/Instructor, Technical Assistant, September 2002 – December 2002

- Taught Introduction to Microsoft Excel and Introduction to Internet and Email courses. Responsible for curriculum development.
- Maintaining/Repairing computer/network hardware and software.

Binghamton University: Department of Psychology

Teaching Assistant, January 2002 – May 2002

- Assistant for a psychology course in multicultural psychology.
- Ran weekly discussions sections and course related activities.

Broome County Urban League: After-School Program

Teaching Aide, September 2001 – December 2001

- Assisting urban children with school work and social understanding.

Hofstra University: University Center for Continuing Education

Teaching Aide, March 2000 – May 2000

- Aiding 1st-8th grade students with application and understanding of mathematics.

ACTIVITIES

Undergraduate Task Force – Graduate Student Representative – Fall 2009 – Current
IEEEExtreme 3.0: Team Crowbar, 15th place. October 2009.

Binghamton ACM: Webmaster: September 2007 – May 2008, September 2009 – Current

Binghamton ACM: Contest Chair: September 2007 – Current

Binghamton ACM: Graduate Student Coach: Fall 2008 – Current

Topcoder: Member name “Asocasno”: August 2007 – Current

REU Graduate Student Mentor: Summer 2007, Summer 2008

Watson Student Advisory Committee – Graduate Student Representative – Spring 2008

Graduate Student Organization – Computer Science Division – Vice President - Fall 2008

Search Advisory Committee Member for Dean of the Watson School, 2006-2007.

IBM Master the Mainframe Part 2 Winner, Fall 2006.

IBM Leadership Workshop: September 2003

Society of Hispanic Professional Engineers: Treasurer, January 2002 – May 2004