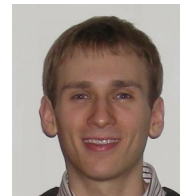


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COMPUTING INTERESTS

Systems & software infrastructure – operating systems, compilers, programming languages; concurrent & parallel programming; models of computation; distributed systems; security

EDUCATION

Ph.D. Computer Science 4.00/4.00 Fall 2005 - Fall 2009
GEORGIA INSTITUTE OF TECHNOLOGY Atlanta, GA
Thesis: Temporal Streams – Programming Abstractions for Distributed Live Stream Analysis Applications
Minor: Technological Entrepreneurship

M.S. Computer Science 4.00/4.00 Fall 2003 - Spring 2005
GEORGIA INSTITUTE OF TECHNOLOGY Atlanta, GA
Specializations: Systems, Intelligent Systems, Programming Languages & Compilers

B.S. Computer Science 3.97/4.00 (Highest Honors) Fall 2000 - Summer 2003
GEORGIA INSTITUTE OF TECHNOLOGY Atlanta, GA
Specialization: Systems

WORK HISTORY

Intern, IBM RESEARCH – Almaden Research Center, Storage Systems May 2008 - Oct. 2008
Developed additional functionality for Panache, a parallel WAN file cache built upon IBM's high-performance clustered filesystem, GPFS. Primary projects included enhancing Panache to support cooperative parallel data transfers over regular NFS.

Intern, IBM – Systems & Technology Group, Enterprise Systems May 2007 - August 2007
Developed additional functionality for GPFS, IBM's high-performance cluster filesystem. Primary projects included enhancing GPFS to run on `PREEMPT_RT` realtime Linux and adding IPv6 functionality to GPFS.

Researcher / Engineer, DAMBALLA, INC. May 2006 - December 2006
Developed software infrastructure and techniques related to botnet detection.

Intern, FEDERAL RESERVE BANK OF ATLANTA – Research Division January 2006 - June 2006
Worked with economists to develop distributing programming middleware and tools to facilitate economic research (predictive modeling, simulations, etc.).

Research Assistant, GEORGIA INSTITUTE OF TECHNOLOGY – CERCS Summer 2002 - Spring 2005
Undergraduate and graduate systems research with Professor Kishore Ramachandran, and collaborative research with Professors Thad Starner, Irfan Essa and James Rehg.

Teaching Assistant, GEORGIA INSTITUTE OF TECHNOLOGY Fall 2005, Spring 2001 - Summer 2003
Undergraduate and graduate teaching assistant for CS6210, CS2130, CS1321(X) and CS1311X.

SKILLS, ACTIVITIES & AWARDS

Awards	IBM PhD Fellowship, GaTech President's Fellowship, President's Undergraduate Research Award, HOPE Scholarship, Upsilon Pi Epsilon member
Activities	Linux Users' Group, UCSB iCTE, TA, student reviewer for ICDCN '10, ICDCS '09, MobiQuitous '08, Percom '05 & '06
Programming Languages	C, Python, Java, Scheme, C++ (sporadic exp. in SML, Erlang & GNU R)
Operating Systems	focus on Linux; experience with BSDs, Windows & Solaris

- Significant concurrent and distributed programming experience and strong Linux/Unix administration and programming experience.
- See <http://www.cc.gatech.edu/~davidhi/> for a current list of publications.