

EDUCATION

DePaul University, Chicago

Pursuing Ph.D. in Computer Science, 2003-present
GPA: 4.0/4.0

University of Michigan, Ann Arbor

Master of Science, Computer Science and Engineering, 1999

University of Michigan, Ann Arbor

Bachelor of Science, Computer Science— With Distinction, 1998

University of Michigan, Ann Arbor

Bachelor of Music, Horn Performance— High Honors, 1998
Primary Instructors: Lowell Greer, Bryan Kennedy

RESEARCH
INTERESTS

Theoretical Computer Science: *Programming Languages (Formal Models and Semantics)*,
Algorithms, Computational Complexity

REFEREED
PUBLICATIONS

Peter Hui, James Riely. Temporal Aspects as Security Automata, *Foundations of Aspect Oriented Languages (FOAL)*, 2005

Peter Hui, Marcus Schaefer, Daniel Štefankovič. Train Tracks and Confluent Drawings, *Graph Drawing (GD '04)*. Lecture Notes in Computer Science, 3383:318-328. Springer-Verlag, 2005.

Peter Hui, Marcus Schaefer. Paired Pointset Traversal, *International Symposium on Algorithms and Computation (ISAAC '04)*. Lecture Notes in Computer Science, 3341:534-544. Springer-Verlag, 2004.

INDUSTRY
EXPERIENCE

IT Professional

Northbrook, IL

Software development (design, coding, and testing) for in-house auto insurance software projects. Technologies include Microsoft C#, ADO.NET, SQL Server.

Allstate Insurance Company

December 2003-present

Senior Software Engineer

Arlington Heights, IL

Develop new features for, support, and maintain software for configuration and management of Motorola CDMA cellular telephone networks. Programming in C++ and embedded SQL (Informix). SunOS (Unix) and SGI IRIX environments. Modeling using Rational Rose. Powertier Persistence middleware.

Motorola, Inc.

February 2000 - December 2003

Summer Undergraduate Fellow

Ann Arbor, MI

Developed two device drivers for analog I/O card and pulse counting card for ISA bus machines. Experience involved porting existing hardware and drivers from VME bus machines to ISA bus machines. Drivers developed using C++ in QNX environment.

University of Michigan

May 1997-August 1997

TEACHING
EXPERIENCE

Graduate Student Instructor (GSI)

Ann Arbor, MI

EECS 489:Computer Networks: Lead recitation sections, hold office hours, assign and grade student projects and homework, assist professor in instructing course. Course material: Protocols and architectures of computer networks, TCP/IP, UDP, congestion control mechanisms, packet routing protocols, client-server computing, socket programming, naming/addressing, media access protocols.

University of Michigan

January 1999-December 1999