

Ryan Thomas Flannery

If you would like to contact me, I can be reached at the following:

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Education

University of Cincinnati, Cincinnati, OH (Overall GPA: 3.7/4.0)

- Ph.D. Student in Computer Science, College of Engineering, expected 2010
Advisor: John Schlipf Dissertation: Yet to be decided
Research Area: Logic in Computer Science
- B.S. in Computer Science, College of Engineering, June 2004
- Minored in Pure Mathematics, College of Arts & Sciences

Computer Skills

- Programming, Extensive Experience With: C, C++, Java, Haskell
- Programming, Competent With: Lisp, Prolog, FRIL, ML, UNIX Shell Scripting, Perl, Assembly
- Operating Systems: UNIX (OpenBSD, FreeBSD, Solaris), Windows 9x/2000/XP
- Database Technologies: SQL, MySQL, PostgreSQL, Oracle
- Other Technologies: Extensive PHP, HTML, CSS, JavaScript, XML, L^AT_EX

Work Experience

Software Developer, SINAPSE Consulting, Washington D.C. (Aug/05 - Mar/07)

- Worked with the SINAPSE architecture, a framework for E-Commerce and online-community websites, serving more than 12 active websites
- Developed and maintained numerous application modules for the SINAPSE architecture
- Responsible for instituting source code management practices and creating a 3-tier environment (development, staging, and production) for all software production

E-Commerce Developer, Emerson Electric Co., Burlington, KY (Sep/01 - Mar/03)

- Developed and maintained numerous order-entry applications (both online and client-based) responsible for between \$3 and \$5 million in profit per day
- Spearheaded a 2 month long project overseeing 2 other developers to design extensive application usage reporting tools used throughout the company
- Responsible for creating various application, data, and communication libraries used in application throughout the company

Application Developer, General Electric, Washington, WV (Sep/00 - Mar/01)

- Designed and implemented several data-based project management tools for 90+ company-wide projects that delivered \$15 million in benefits back to the business
- Automated and digitized a 5 hour long daily financial reporting process used directly by senior business administration
- Developed course material for, and taught, a class to 12 GE developers focusing on well-formed database design and implementation

Awards & Honors

- 2009, Summer - UC Summer Research Fellowship
- 2008, Summer - Engineering Professor of the Quarter (as a graduate student)
- 2004 - 2007 Ohio Board of Regents Ph.D. Fellowship
- 2004 - 2009 University of Cincinnati Graduate Scholarship
- 2004 University of Cincinnati Award for Outstanding Senior Design Project
- 1999 - 2004 University of Cincinnati College of Engineering Dean's Honor List 9/12 quarters
- 2001 General Electric IT Speed Award for Digitization Efforts
- 2001 General Electric IT Accomplishment Awards (received three of them)
- 2001 Inducted into the Golden Key National Honor Society
- 1999 Covington Catholic High School Computer Science Award
- 1999 Covington Catholic High School Service Award for Technical Assistance

Papers & Teaching Experience

- “Unfounded Sets and Autarkies,” a presentation accepted to LaSh during 2006 Federated Logic Conference (FLoC, 16 August 2006), by John Schlipf and Ryan Flannery
- Taught a 2 week Summer Camp in computer science for 11 high school students with no prior programming experience. Student learned the basics of Java and beginning graphics, animation, and game design.
- Taught introductory Computer Science I (University of Cincinnati) on two occasions, where students learned C++ and introductory concepts in computer science. For the second class I was awarded *Engineering Professor of the Quarter*.
- Organized and tutored a series of Cooperative Learning courses to compliment the Computer Science courses at UC, 30+ students
- Lead instructor for an entry level Karate class, 20+ students

Academic & Extracurricular Involvement

- Created the UC Logic & FOM (Foundations of Mathematics) research/seminar group, organized with the UC departments of Computer Science, Mathematics, and Philosophy
- Organized a series of Cooperative Learning courses at UC, dedicated to helping freshman Engineers with the Computer Science curriculum
- Former President of UC-LaRC, the University of Cincinnati Laboratory for Recreational Computing
- Member of ASL, the Association for Symbolic Logic
- Member of UC-FreeOS, the UC Free Operating-Systems advocacy group
- Member of ACM and IEEE both nationally, as well as locally
- Sun Microsystems Student Technology Associate Representative (SunSTAR) for UC
- 1st Degree Black Belt in Seiei Kan, Ko Sutemi Karate since 1997

References Available Upon Request