

## Tyler N. Sondag

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### Education

- **Iowa State University** Ames, IA  
*Ph.D., Computer Science* May 2007 - Current
  - Advisor: Hridesh Rajan
  - 3.9 GPA
- **University of Wisconsin** Madison, WI  
*Summer Institute for Training in Biostatistics* June 2006 - July 2006
  - 4.0 GPA
- **McKendree College** Lebanon, IL  
*B.S., Computer Science and Mathematics* August 2003 - May 2007
  - 3.738 GPA (4.0 GPA within Computer Science courses)

### Selected Publications and Presentations

Tyler Sondag and Hridesh Rajan. **Phase-guided Thread-to-core Assignment for Improved Utilization of Performance-Asymmetric Multi-Core Processors.** *PLDI '08: Programming Language Design and Implementation*, Under review

Tyler Sondag, Viswanath Krishnamurthy, and Hridesh Rajan. **Predictive Thread-to-Core Assignment on a Heterogeneous Multi-core Processor.** *PLOS '07: ACM SIGOPS 4th Workshop on Programming Languages and Operating Systems*, October 2007

Tyler Sondag and Jim Feher. **Open Source Wifi Hotspot Implementation.** *Information Technology and Libraries*, June 2007

Presentation: Tyler Sondag. **A Linux Cluster that Serves as a Windows Computer Lab.** 2006 *Sigma Zeta National Convention* awarded first presentation honors

### Awards and Honors

#### Graduate

Golden Key International Honor Society, November 2008

National Science Foundation Graduate Research Fellowship Honorable Mention, April 2008

Professional Advancement Grant, October 2007

#### Undergraduate

Top student in the Division of Computer Science McKendree College class of 2007

First Presentation Honors, 2006 Sigma Zeta National Convention

Phi Kappa Phi

Sigma Zeta (National Science and Mathematics Honor Society)

Attended: International Scholar Laureate Program - Delegation on Technology to China

President's List (4.0 GPA both semesters junior year and first semester senior year)

National Dean's List all four years

Academic All American

Presidential Scholarship

The National Scholars Honor Society

## Related Work Experience

- **Iowa State University** Ames, IA  
*Research Assistant* May 2007 - Current
  - Research Assistant in the Laboratory for Software Design
- **Iowa State University** Ames, IA  
*Teaching Assistant* August 2007 - August 2008
  - Summer 2008 - Teaching Assistant for ComS 207 “Programming 1”
  - Spring 2008 - Teaching Assistant for ComS 229 “Advanced Programming Techniques”
  - Fall 2007 - Teaching Assistant for ComS 362 “Object-Oriented Analysis and Design”
- **McKendree College** Lebanon, IL  
*Computer Science Department Lab Worker* May 2005 - May 2007
  - Computer Science and Mathematics tutor
  - Setup and maintained campus wireless network
  - Setup, maintained, and programmed for Computer Science Dept. computer cluster
- **Norcom 2000, Inc.** Belleville, IL  
*Technician* August 2001 - May 2007
  - Technical Support for residential and business customers
  - Assisted with network administration

## Skills

**Languages:** C (with MPI), C++, Java, Perl, HTML, JavaScript, CSS, PHP, MySQL, L<sup>A</sup>T<sub>E</sub>X, R

**Operating Systems:** Linux (including kernel), Windows

**Applications:** Microsoft Office, OpenOffice, L<sup>A</sup>T<sub>E</sub>X, R

## Other

External Reviewer: ACP4IS '08, AOSD '09

Co-mentor for James Mueller as part of the Freshman Honors Program at Iowa State University  
James was Awarded Freshman Honors Mentor Grant

Presentation: Graduate School and the Application Process. Given to undergraduate students in the departments of Computer Science and Science and Mathematics at McKendree University annually during the Fall semester (2007-current).

Member of Alpha Phi Omega (AΦΩ) service fraternity (2007-current) (Positions held: Co-Vice President of Scouting and Youth Services and Corresponding Secretary / Webmaster)

Assisted with four WYSE (Worldwide Youth in Science and Engineering) Academic Challenge events held at McKendree College (2005-2007)

Assistant bowling coach for Althoff Catholic High School (2005-2007)

Eagle Scout (and Assistant Scoutmaster / Volunteer Lifeguard)

For my Eagle Scout project I designed and implemented a computerized card catalog system for the Academy at St. Mary's (elementary school).