
Joseph Kendall-Morwick <jmorwick@indiana.edu>

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EDUCATION

Indiana University

August 2005 - Present

Master of Science, Ph.D Candidate in Computer Science

- GPA: 3.9

Ohio State University

September 1999 - August 2003

Bachelor of Science in Mathematics and Computer Science

- GPA: 3.2

SKILLS

- **Programming Languages:** Very experienced with Java, PHP, and C; also experienced with (in order of familiarity) C++, Scheme, Perl, C#, UNIX Shells, Python, Sed/Awk, Matlab, and others.
- **Programming Tools, API's, and Applications:** Very experienced with LAMP web application development, administration, and deployment, including a thorough understanding of Linux programming environments. Also experienced with JSP's, servlets, and administration of and deployment through Tomcat. Experienced with alternative databases (BerkleyDB, Apache Derby), Java ME, ant and make, Netbeans, cvs and subversion, and other technologies.

PROFESSIONAL AND VOLUNTEER EXPERIENCE

Indiana University - Department of Computer Science

August 2005 to Present

Course Instructor / Associate Instructor

- Developed and taught a senior level undergraduate course on computability and complexity.
- Co-taught a project based introductory computer science course.
- Tutored students, graded homework, and taught lab and review sections for several introductory programming courses and a graduate course on computability.
- Developed sophisticated grading scripts to increase the quality of feedback for programming students.

Indiana University - Department of Computer Science

May 2006 to August 2010

Research Assistant

- Created a case-based reasoning system for intelligent assistance of scientific workflow composition.
- Used the SAL model checker to prove timing properties of clock protocols for serial communication.
- Developed software to examine use of trusted platform modules in securing bluetooth services.

Scalable Network Technologies

Summer of 2009

Programmer / Analyst

- Developed code for statistics tracking and other purposes for the "Communications Effects Server".
- Engineered evaluative simulation scenarios for emerging tactical military radio technologies.
- Analyzed results from test scenarios and produced reports and presentations for clients.

Google Summer of Code - Moodle

Summer of 2008

Developer

- Worked remotely with an international team of open-source developers on the Moodle learning management system (LMS) through a Google sponsored program.
- Designed and integrated a system for organizing blog posts related the particular classes, groups, or projects a student is involved in, as well as other improvements to the blogging system.

eSchool Consultants

July 2004 - July 2005

Programmer / Analyst

- Developed web applications with PHP to maintain a mySQL database of student records and provide instructors with intuitive interfaces to access data and reports.
- Saved the company over \$200,000 a year and improved the school's pedagogical approach by transitioning the school's 3rd party LMS (Learn.com) to an in-house open-source LMS (Moodle), and integrated this system into the school's existing management software.
- Integrated the use of barcode scanners for the purpose of equipment tracking.