
Joseph Kendall-Morwick <jmorwick@indiana.edu>

(812)202-3419

<http://www.cs.indiana.edu/~jmorwick>

EDUCATION

Indiana University

August 2005 - Present

Master of Science in Computer Science (March 2007)

- GPA: 3.9
- Currently Enrolled in the Ph.D program.

Ohio State University

September 1999 - August 2003

Bachelor of Science in Mathematics and Computer Science

- GPA: 3.2

SKILLS

- **Programming Expertise:** Very experienced with Java, PHP, and Scheme; also experienced with (in order of familiarity) C/C++, C#, Perl, UNIX Shell, Matlab, Sed/Awk, Lisp, Pascal, and others.
- **Operating Systems:** UNIX/Linux expertise and experience administering Apache, Tomcat, Samba, and mySQL server software; OS X and Windows 95/98/NT/XP expertise.
- **Computer Hardware:** A+ certified with 8 years of experience building and repairing PC's.

PROFESSIONAL AND VOLUNTEER EXPERIENCE

Indiana University - Department of Computer Science

May 2006 to Present

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 determine the usefulness of a trusted platform module in securing bluetooth services.

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 among the particular classes, groups, or projects a student is involved in, among other improvements to the blog system.

Indiana University - Department of Computer Science

August 2005 - December 2007

Assistant Instructor

- 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.

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.
- Transferred 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.

Explorer Post 891

August 2001 - June 2004

Advisor (Volunteer)

- Worked within a group of volunteers to educate high school students in Computer Science.
- Designed and taught a year-long course on Java programming and several seminars on topics such as encryption, databases, computer graphics, and software engineering.