

Adam Charles Jensen

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Education

Michigan State University 2006 - present
Department of Computer Science and Engineering
Currently enrolled as M.S. student
Thesis: Automatic Instantiation of Design Patterns.
Advisor: Betty Cheng

Ferris State University 2002 - 2006
B.S., Applied Mathematics (2006)

Professional Experience

Research Assistant January 2008 - present
Software Engineering and Network Systems Laboratory, Michigan State University

- Current focus: applying techniques from evolutionary computation to common software engineering tasks.

Software Engineer Summer 2008
Debian Linux, Google Summer of Code

- Developed `debgraph`, a C++-based tool for the analysis of dependencies among software packages in the Debian Linux distribution.
- Interacted with the Debian Linux and greater open source community throughout the term of the project.
- Project code and documentation available at <http://code.google.com/p/debgraph>

Teaching Assistant, CSE131 September 2006 - December 2007
Department of Computer Science and Engineering, Michigan State University

- Course topic: scientific computing using MATLAB.
- Responsibilities included preparation of lab instruction materials, running staff meetings, grading student work, and proctoring exams and quizzes. Promoted to lead teaching assistant for Fall 2007 term, supporting a staff of 15 undergraduate and graduate teaching assistants.

Software Engineer / I.T. Manager April 2004 - August 2006
Occupational Research and Assessment, Inc. Big Rapids, MI

- Designed, implemented, and supported a web-based medicolegal death investigation system that enabled investigative personnel to publish case information to a secure website from the field, using a mobile phone or a laptop computer. (In active use; <http://www.mdilog.net/>)
- Responsible for all of user and developer documentation
- Led three-member programming staff to successfully complete several high-profile software projects
- Assisted in the development and editing of a published textbook

Skills

Languages: Python, C, C++, C#, BASH shell scripting, SQL, (X)HTML, XML, CSS, L^AT_EX, Javascript, PHP

Operating Systems: Linux, FreeBSD, MacOS X, Windows CE/Mobile/NT/2000/XP/2003

Applications: GCC, GDB, GTK, Apache, CVS, Subversion, Git, XFree86/Xorg, MySQL, Postfix, Sendmail

Miscellaneous: I am a musician (percussionist), have excellent verbal and written communication skills, and spend much of my free time reading books, cycling, and developing open-source software.