

Katherine R. Maher

maherk@umich.edu
734.812.7459

4441 Hillside Court
Ann Arbor, Michigan 48105

OBJECTIVE Seeking to advance my knowledge and experience in information organization and distribution, and to provide data to the world in more usable ways.

EXPERIENCE **Automotive Dealer Management, Inc.** May 2006 – Present
Web Application Engineer & Database Administrator
Maintained and updated legacy portal code in ColdFusion 4.5. Sole designer and developer of all new internal company software; took loose ideas and turned them into specifications and a fully functional, application integrated product. Rapid response to constant mission-critical software functionality changes. Initiated and continued the process of migrating code from ColdFusion 4.5 to ColdFusion 8. Rewrote complete sections of application to make code more modular and maintainable, as well as protecting legacy code from SQL insertions and built that security into all new code. Learned higher level Oracle database administration tasks such as triggers and performance tuning. Reduced run-time of a number of reports to approximately 1/20 their original run-time, while creating more accurate reports that show more information. Created a company-wide collaboration environment for employees to discuss and work on projects using Malcolm-Baldrige guidelines.

NetSpeakNow.com – Consultant October 2007
Generated UTF-8 compliant XML data with ColdFusion 7 to interact with an Access database for foreign language learning Flash site.

University of Michigan September to December 2004
Advising Appointment Web Scheduler
Designed a web database application to schedule appointments online with department advisors. This senior design project required the use of PHP and MySQL, Work was done in partnership with two other students and included making UML diagrams.

Technical Support August 2002 to December 2004
Provided technical support for students, staff, faculty and administration on a number of different levels with progressively more responsibility, from scheduled work hours to 24-hour on-call support. Responsible for deploying and installing both software and hardware, as well as gained strong customer service skills. Maintained residential computer labs running OSX, Windows 2000 and Solaris systems. Created training software for residential staff to become acquainted with features of OS X that would help with their responsibilities.

EDUCATION University of Michigan Ann Arbor, Michigan
College of Engineering
Bachelor of Science in Engineering in Computer Science Engineering, 3.03 GPA December 2005

SKILLS ColdFusion 4.5+, Oracle, SQL, XML, PL/SQL, PHP, MySQL, C++, HTML, CSS, Dreamweaver, GIMP

ACTIVITIES Detroit ColdFusion Users Group August 2006 – January 2008
Attended meetings and activities to learn from fellow developers as well as created a web application for the user group manager to manager users' participation points and group meetings. Attended CFUnited in June 2008.

Attended the Great Lakes Software Excellence Conference in October 2006 to grow as a developer and to expand my knowledge of programming methodologies, specifically Agile and Test Driven Development.

gEECS September 2003 – November 2005
Secretary of Girls in Electrical Engineering and Computer Science at the University of Michigan, an organization that advocated for more technical programs for women in the EECS department as well as schoolgirls. We also provided an inclusive atmosphere for the exceptionally small female student population.

References provided upon request.