

FATEMAH PANAHI

Education

University of Wisconsin-Madison

Ph.D. Computer Sciences, May 2015 GPA **4.0/4.0**

University of Wisconsin-Madison

M.S. Computer Sciences, May 2011 GPA **4.0/4.0**

University of Wisconsin-Madison

B.S. Computer Sciences, December 2008 GPA: **3.8/4.0**

- Distinction in Major, Dean's list, Top 9% of graduates of College of Letters and Science

Awards

- Invited to Google GRAD CS Forum, 2012
- National Physical Sciences Consortium (NPSC) Fellowship, 2010, 2011
- Ford Foundation Diversity Fellowship Honorable Mention, 2010
- American Association of University Women (AAUW) Selected Professions Fellowship, 2009
- 4 years of guaranteed support from the Department of Computer Sciences, UW-Madison, 2009

Extracurricular Activities

- Shared Governance Committee representative in the Advisory Board for the Office of Equity and Diversity, 2009-2010
- Appointed as WACM officer (ACM's Committee on Women in Computing), 2009-2012
- Engineering Without Borders (EWB), Spring 2009

Work Experience

University of Wisconsin-Madison August 2009-Present

Teaching Assistant for the courses: Introduction to Computer Networks, Database Management Systems

- Design and Implement projects and test cases
- Direct discussion sessions and occasionally provide lectures

Teradata Corporation June 2011-August 2011

Engineering Intern

- Project: Mining Bug Reports to Detect High Risk Incidents
- Apply data mining and machine learning approaches to improve internal processes
- Promote data mining applications by communicating with upper management
- Work under the agile project management approach
- Interns' communications committee chair
 - Achieve the "Teradata 12 Certified Professional" certificate

Wisconsin Department of Administration June 2008-June 2010

Information System Technical Services Professional

- Develop an Administration Web site for the Wisconsin Election Data Collection
- Apply the agile project management approach to the "WisBuild" application rewrite project

Research Experience

Current Focus - Databases

- Statistical analysis, optimization, and machine learning involving Big data

Independent Study and Research - Networking

- A survey and analysis of distributed computing clusters, Fall 2010
- Integrating the CS WiMAX base station with Orbit Management Framework for wireless experiments (under the GENI project), Spring 2010
- A System for Audio Signaling Based NAT Traversal for Mobile Clients, Fall 2009 (published in COMSNETS 2011)

Course Projects

- Longitudinal Configuration Analysis of Enterprise Networks, Spring 2010
- Global Power Manager (GPM) for Datacenters, Fall 2009
- Music Cooperation Using DTN (Delay Tolerant Networks), Fall 2008

Computer Skills/ Certificates

Programming languages

- C++, JAVA, Perl, SQL, PHP, Python, Django, MATLAB

Operating Systems

- Microsoft Windows, Linux

Certificates

- Teradata 12 Certified Professional