

SARA JAVANMARDI

EDUCATION	Ph.D., Informatics & Computer Science, <i>University of California, Irvine, Current GPA: 4.0/4</i>	2006 – 2011
	M.Sc., Software Engineering, <i>Sharif University of Technology, GPA: 18.87/20</i> (1st Rank in cumulative GPA among M.Sc. students graduated 2006)	2004 – 2006
	B.Sc., Software Engineering, <i>Iran University of Science & Technology, GPA: 17/20</i> (1st Rank in cumulative GPA among B.Sc. students, 2002–2003)	1999 – 2004
HONORS AND AWARDS	<ul style="list-style-type: none">▪ 3rd rank in Microsoft query speller challenge, June 2011.▪ Amazon AWS Research Grant, Winter 2011.▪ 3rd Rank in international competition for automatic detection of vandalism in Wikipedia, sponsored by Yahoo! research, July 2010.▪ Student Travel Award by IBM to attend KDD, July 2010.▪ Student Travel Award by Google to attend WSDM, Feb 2010.▪ Student Travel Award by NSF to attend CollaborateCom, Feb 2010.▪ Student Travel Award by Microsoft to attend Grace Hopper, Sep 2009.▪ NSF fund for the project “Development of Trust Management Systems for Cyber Infrastructures”, granted by NSF, January 2007– Present.▪ Butterworth award for Development of Secure e–Passports based on Smart Cards, Spring 2007.▪ PhD admission and Fellowship offer for three years from University of California, Irvine, 2006.▪ 1st Rank in cumulative GPA among M.Sc. students of the Computer Engineering department, Sharif University of Technology, summer 2006.▪ 1st Rank in cumulative GPA among B.Sc. students of the Computer Engineering department, Iran University of Science & Technology, 2002–2003.	
TECHNICAL SKILLS	Programming Languages: Java, C# ,C/C++, BASH Scripting Database Systems: MySQL, Microsoft SQL Server, Berkeley DB Web Technologies: JSP, XML, CSS, XSLT, Javascript, Lucene Environments, Tools & Frameworks: GNU/Linux, Vim, Eclipse Platform, .Net Framework , Jena Semantic Web Framework, Matlab, R, Weka, Hadoop	
EXPERIENCE	Research Software Engineer, Microsoft Bing ▪ Contextual Relevance Team: social search, personalization	Sep 2011 – Now
	Research Intern, University of Washington ▪ Classification of Wikipedia Barnstar Users; using text mining and user behavior analysis, the goal is of this project is automatic labeling of barnstar users in Wikipedia. This project includes “short text classification” and “multi-label classification”. ▪ Technologies Used: Java, WEKA, SVM Light, Rapid Miner, multi-label classification Java Libraries such as Mulan.	Summer 2010
	Research Intern, Microsoft Research (ISRC Group) ▪ On improving search results rankings using 2–stage smoothing bigram language models. The goal was to find a ranking algorithm with higher accuracy in terms of NDCG values compared to BM25.	Summer 2009

- **Technologies Used:** MapReduce Clusters, Machine Learning tools, .Net framework

Research Intern, Microsoft Research (ISRC Group) Summer 2008

- On clustering web documents using bigram language models. The goal was the application of 1–stage smoothing bigram language models for online clustering by reducing the document vector size.
- **Technologies Used:** .Net framework and its extensions such as PFX (Parallel Programming in .Net)

Research Assistant, UC Irvine Summer 2007 – Present

- I have developed a reputation management system for Wikipedia. (Started Winter 2007)
- I have developed a tool for vandalism detection in Wikipedia (Started Winter 2008)
- I developed a tool for multi label classification of Wikipedia barnstars(Started Summer 2010).
- I’m developing a MapReduce based tool for cost sensitive feature selection.
- I’m attending Query Spell Checking Microsoft Competition. (Started Winter 2011)
- **Technologies Used:** J2EE, Weka, Hadoop, R, Mulan.

Teaching Assistant, UC Irvine Winter 2010,2012
Information Retrieval

- Crawling, Indexing, Ranking, MapReduce

Teaching Assistant, UC Irvine Fall 2007–Spring 2007

- Teaching assistant for Software Engineering, Software Architectures, and Social Aspects of Computing courses.

Research Intern, Linkoping Universitet, Sweden March 2006 – April 2006

- On Trust Management in Distributed and Dynamic Environments

Research Assistant, Sharif University of Technology Fall 2005 – Summer 2006

- On Security in Pervasive Computing Environments

Teaching Assistant, Iran University of Science and Technology Winter 2003 – Spring 2003

- Teaching assistant for Algorithm Analysis& Discrete Mathematics courses

JOURNALS AND BOOK CHAPTERS

- **S. Javanmardi**, C. Lopes and Pierre Baldi, Modeling User Reputation in Wikipedia, Journal of Statistical Analysis and Data Mining, Vol. 3, No. 2, pp. 126–139, 2010.
- **S. Javanmardi**, C. Lopes, Trust in Community-Built Databases/Collaborative IS in Community-Built Databases: Research and Development, will be published in Springer ISKM Series, Aug 2010.

CONFERENCES

- D. McDonald, **S. Javanmardi**, and M. Zachry, Finding Patterns in Behavioral Observations by Automatically Labeling Forms of Wikiwork in Barnstars , submitted to WikiSym 2011.
- **S. Javanmardi**, D. McDonald, and C. Lopes, Vandalism Detection in Wikipedia: A High-Performing, Feature–Rich Model and its Reduction Through Lasso, submitted to WikiSym 2011.
- **S. Javanmardi**, C. Lopes, Statistical Measure of Quality in Wikipedia, KDD’2010 Workshop on Social Media Analytics, Washington DC, USA, 2010.
- **S. Javanmardi**, Y. Ganjisaffar, C. Lopes and P. Baldi, ”Measuring Quality of the Content in Wikipedia using User Reputation”, AAAI Conference on Weblogs and Social Media (Data Challenge)
- **S. Javanmardi**, Jianfeng Gao and Kuansan Wang, Optimizing Two–Stage Smoothing Bigram LMs

for IR, WWW 2010.

- **S. Javanmardi**, C. Lopes and Stanley Grant, Future of Scientific Web Content: Web 2.0, Mashups and Guided Search, WebScience 2010.
- **S. Javanmardi**, C. Lopes and Pierre Baldi User Contribution and Trust in Wikipedia, Proceedings of the 5th International Conference on Collaborative computing: Networking, Applications and Worksharing, Washington DC, USA, 2009.
- Y. Ganjisaffar, **S. Javanmardi**, C. Lopes, Using User Reviews to Improve Search in Wikipedia, SIGIR 2009 Workshop on Search in Social Media, Boston, USA, 2009.
- Y. Ganjisaffar, **S. Javanmardi**, C. Lopes, Leveraging Crowdsourcing Heuristics to Improve Search in Wikipedia, to appear in Proceedings of the 5th International Symposium on Wikis and Open Collaboration (WikiSym), Florida, USA, 2009.
- Y. Ganjisaffar, **S. Javanmardi**, C. Lopes, Review-based Ranking of Wikipedia Articles, Computational Aspects of Social Networks, 2009.
- Y. GanjiSaffar, **S. Javanmardi**, S. Grant and C. Lopes, A Wiki based Data Sharing Platform, Proceedings of the 4th International Conference on Collaborative computing: Networking, Applications and Worksharing, Orlando, USA, 2008.
- **S. Javanmardi** and C. Lopes, Modeling Trust in Collaborative Information Systems, Proceedings of the 3rd International Conference on Collaborative computing: Networking, Applications and Worksharing, New York, USA, 2007.
- **S. Javanmardi**, M. Amini and R. Jalili, An Access Control Model for Protecting Semantic Web Resources, Proceedings of the 2nd International Semantic Web Policy Workshop, Athens, GA, USA, 2006.
- **S. Javanmardi**, M. Amini, R. Jalili, and Y. Ganjisaffar, SBAC: Semantic Based Access Control, Proceedings of the 11th Nordic Workshop on Secure IT-systems, Linkoping, Sweden, 2006.
- **S. Javanmardi**, H. Hemmati, and R. Jalili, An Access Control Framework for Pervasive Computing Environments, Proceedings of the 2006 World Congress in Computer Science Computer Engineering, and Applied Computing, Las Vegas, Nevada, 2006. USA.

**RELEVANT
GRADUATE
COURSES**

- Machine Learning (A+)
- Probability Learning (A)
- Bayesian Statistics (A)
- Information Retrieval (A)
- Distributed Systems (A+)
- Parallel Processing (A)
- Advanced Data Structures and Algorithms (A)

**PEER REVIEW
FOR
JOURNALS
and
Conferences**

- Journal of Statistical Analysis and Data Mining
- IEEE Transactions on Knowledge and Data Engineering
- Knowledge and Information Systems
- Information Security Journal
- CSCW Conference
- WikiSym Conference