

Hamed Zamani

Center for Intelligent Information Retrieval (CIIR)
College of Information and Computer Sciences
University of Massachusetts Amherst

zamani@cs.umass.edu
hamedzamani@acm.org

<http://hamedz.ir/>

Education

University of Massachusetts Amherst

Ph.D. of Computer Science;

- GPA (up to now): 4.0/4.0
- Under supervision of Prof. W. Bruce Croft
- Graduate Courses: Machine Learning, Deep Learning, Prob. Graphical Models, Applied Info. Theory

Amherst, MA, USA

Sep. 2015 – now

University of Tehran

M.Sc. of Computer Engineering, Software field;

- GPA: 19.39/20 (4.0/4.0) - **Rank 1st**
- Thesis: Recommender Systems in Multi-Publisher Environments
- Graduate Courses: Information Retrieval, Natural Language Processing, Advanced Algorithms, Data Mining, Bio-Inspired Computing, Advanced Databases

Tehran, Iran

Sep. 2013 – Jul. 2015

University of Tehran

B.Sc. of Computer Engineering, Software field;

- GPA: 17.71/20 (3.83/4.0)

Tehran, Iran

Sep. 2009 – Jul. 2013

Research Interests

- **Information Retrieval and Text Mining**
- **Data Mining and Machine Learning**
- **Social Networks and Recommender Systems**
- **Natural Language Processing**

Honors & Awards

Best Teaching Assistant Award

School of ECE, University of Tehran

Tehran, Iran

2015

Rank 1st amongs all “Engineering” students

University of Tehran, Master’s Degree

Tehran, Iran

2014-2015

Iran’s National Elites Foundation Scholarship

As an exceptional talent student

Tehran, Iran

2014-2015

ACM Excellence Award 2012

As the Chairman of the University of Tehran ACM Student Chapter

New York, USA

Jun. 2012

Advanced Level Mathematics Diploma in Tournament of Towns

International Mathematics Competition

Moscow, Russia

May 2008

Ranked 1st in IranOpen and Qualified for RoboCup 2007

Junior Rescue League

Tehran, Iran / Atlanta, USA

Apr. 2007

Selected Publications

- [1] **H. Zamani**, J. Dadashkarimi, A. Shakery, W. B. Croft “*Pseudo-Relevance Feedback Based on Matrix Factorization*”. In Proc. of CIKM 2016.
- [2] **H. Zamani**, W. B. Croft “*Estimating Embedding Vectors for Queries*”. In Proc. of ICTIR 2016.
- [3] **H. Zamani**, W. B. Croft “*Embedding-based Query Language Models*”. In Proc. of ICTIR 2016.
- [4] **H. Zamani**, H. Faili, A. Shakery “*Sentence Alignment Using Local and Global Information*”. In Computer Speech & Language, vol. 39, 2016.
- [5] A. Montazerlghaem, **H. Zamani**, A. Shakery “*Axiomatic Analysis for Improving the Log-Logistic Feedback Model*”. In Proc. of SIGIR 2016.
- [6] A. Montazerlghaem, **H. Zamani**, A. Shakery “*Cross Domain User Engagement Evaluation*”. In Proc. of ECIR 2016.
- [7] **H. Zamani**, A. Shakery, P. Moradi “*Adaptive User Engagement Evaluation via Multi-task Learning*”. In Proc. of SIGIR 2015.
- [8] J. G. C. de Souza, **H. Zamani**, M. Negri, M. Turchi, D. Falavigna “*Multitask Learning for Adaptive Quality Estimation of Automatically Transcribed Utterances*”. In Proc. of NAACL 2015.
- [9] **H. Zamani**, A. Shakery, P. Moradi, “*Regression and Learning to Rank Aggregation for User Engagement Evaluation*”. In Proc. of ACM RecSys 2014 Workshops.
- [10] **H. Zamani**, H. Nasr, P. Babaie, S. Abnar, M. Dehghani, A. Shakery “*Authorship Identification Using Dynamic Selection of Features from Probabilistic Feature Set*”. In Proc. of CLEF 2014.

Research Experiences

- | | |
|--|-----------------------|
| Research Assistant at <i>Center for Intelligent Information Retrieval</i> | Sep. 2015 – Present |
| <i>University of Massachusetts Amherst, USA</i> | |
| Research Intern at <i>Google Inc.</i> | Jun. 2016 – Sep. 2016 |
| <i>Google Inc., Mountain View, USA</i> | |
| Research Assistant at <i>Intelligent Information Systems Lab</i> | Sep. 2013 – Aug. 2015 |
| <i>University of Tehran, Iran</i> | |
| Research Intern at <i>Human Language Technology Unit</i> | Jul. 2014 – Sep. 2014 |
| <i>Fondazione Bruno Kessler (FBK), Trento, Italy</i> | |
| Undergraduate Research Assistant at <i>Networking Group</i> | Jan. 2013 – Sep. 2013 |
| <i>Institute for Research in Fundamental Sciences (IPM), Iran</i> | |

Teaching Experiences

Head Teaching Assistant

Courses: Advanced Programming, Data Structures and Algorithms, and Software Engineering

Teaching Assistant (Graduate Courses)

Courses: Intelligent Information Retrieval and Advanced Algorithms

Teaching Assistant

Courses: Algorithm Design, Database Systems, Discrete Math., Engineering Math., and Calculus

Leadership Experiences

<i>Founder & CEO</i> , Summer of Code <i>University of Tehran</i>	2012 – Present
<i>Chairman</i> , ACM Student Chapter/IT & CE Scientific Association <i>University of Tehran</i>	2011 – 2012
<i>Managing Director & Editor-in-chief</i> , F1 Scientific Journal <i>University of Tehran</i>	2011 – 2012
<i>Member</i> , Student Council Representative <i>University of Tehran</i>	2009 – 2010

Technical Skills

Programming:	Guru in C/C++ & Java Expert in Python & Web Programming (JavaEE, NodeJS) Good at MatLab & Android Development
Tools:	Guru in Lemur, nimfa, Weka & Scikit-learn Expert in OMNeT++ (Network Simulator) Good at Moses

Language Skills

Persian:	Native
English:	Fluent
Arabic:	Familiar

References

Available upon request.