Ali Khodadadi

Curriculum Vitae

Education

2013–present **Ph.D Student in Computer Engineering**, *Sharif University of Technology*, Tehran, Iran.
Supervisor: Prof. Hamid R. Rabiee

2010–2012 **M.Sc. in Information Technology Engineering**, *Sharif University of Technology*, Tehran, Iran, *GPA − 18.66/20*.
Thesis Title: *"Sampling from Complex Networks Considering Activity Level of Nodes"*, (20/20).
Supervisor: Dr. Mohammad T. Manzouri and Prof. Hamid R. Rabiee

2006–2010 **B.Sc. in Information Technology Engineering**, *Sharif University of Technology*, Tehran, Iran, *GPA − 17.55/20*.
Thesis Title: *"Measurement and Analysis of CE Network Traffic Using SNORT IDS"*.
Supervisor: Dr. Amir H. Jahangir

Research Interests

Social Network Analysis Mining User Behavior over Social Media, Networak Measurement & Sampling, Modeling the Spreading Processes over Networks, Community Detection in Dynamic and Augmented Networks, Studying Heterogeneous and Multi-Layer Networks.

Big Data Probabilistic Graphical Models, Bayesian Inference, Large Scale Graph Algorithms, Distributed Processing Paradigms (Map-Reduce, Spark).

Awards & Honors

2010 3rd Rank, in Cumulative GPA (**17.55/20**) among more than 35 B.Sc. IT Engineering students of the department, Sharif University of Technology

2010 Awarded Fellowship of Exceptional Talent for the M.Sc. Program in Information Technology Engineering from Computer Engineering Department of Sharif University of Technology

2006 Achieved the $400th$ rank in the National University Entrance Examination for the B.Sc. degree among more than 500,000 participants

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Experience

Teaching

Fall 2016   **Teaching Assistant of Stochastic Processes Course**, Sharif University of Technology, Gradate Course, (Prof. Hamid R. Rabiee).

Summer 2015   **Teaching Network Laboratory Course**, Sharif University of Technology, Undergraduate Course.

Spring 2015   **Teaching Assistant of Multimedia Course**, Sharif University of Technology, Undergraduate Course, (Prof. Hamid R. Rabiee).

Spring 2015   **Teaching Assistant of Statistical Learning Course**, Sharif University of Technology, Graduate Course, (Prof. Hamid R. Rabiee).

Fall 2014   **Teaching Assistant of Stochastic Processes Course**, Sharif University of Technology, Graduate Course, (Prof. Hamid R. Rabiee).

Summer 2014   **Teaching Network Laboratory Course**, Sharif University of Technology, Undergraduate Course.

Spring 2014   **Teaching Network Laboratory Course**, Sharif University of Technology, Undergraduate Course.

Spring 2014   **Teaching Assistant of Statistical Pattern Recognition Course**, Sharif University of Technology, Graduate Course, (Prof. Hamid R. Rabiee).

Spring 2012   **Teaching Assistant of Multimedia Networks Course**, Sharif University of Technology, Graduate Course, (Prof. Hamid R. Rabiee).

Work

2014–present   **Researcher**, *ICT Innovation Center*, Tehran, Iran.
Working on diffusion of information, products and rumours over social network.

2013–2014   **3G VAS Consultant**, *Value Added Service Lab*, Tehran, Iran.
Worked as a technical consultant for value added services in 3G moblie networks. I identified potential services for PSTN telephone and agricultural services.

2011   **Executive Member of 17th National CSI Computer Conference**, *Sharif University of Technology, Computer Engineering department*, Tehran, Iran.
Worked as a technical member.

Publications

Published   **S. Sajadmanesh, H. R. Rabiee, *A. Khodadadi***, *"Predicting Anchor Links between Heterogeneous Social Networks"*, International Conference on Advances in Social Networks Analysis and Mining (ASONAM), San Francisco, CA, USA, IEEE/ACM, , 08/2016.

A. Fattaholmanan, H. R. Rabiee, P. Siyari, A. Soltani-Farani, *A. Khodadadi*, *"A Peer to Peer Compressive Sensing Framework for Network Monitoring"*, Communications Letters, IEEE , vol.19, no.1, pp.38,41, Jan. 2015.

A. Zarezade, *A. Khodadadi*, M. Farajtabar, H. R. Rabiee, L. Song, and H. Zha, *"Correlated Cascades: Compete or Cooperate"*, arXiv, abs/1510.00936, 2015.

Submitted	**A. Hosseini, *A. Khodadadi*, H. R. Rabiee** , *"HNP3: A Hierarchical Nonparametric Point Process for Modelling Content Diffusion Over Social Media"*, Submitted to IEEE International Conference on Data Mining (ICDM).
	M. Ramezani, H. R. Rabiee, *A. Khodadadi*, *"Community Detection Using Diffusion Information"*, Submitted to Transactions on Knowledge Discovery from Data journal, ACM, Under revision.
	M. Ghorbani, H. R. Rabiee, *A. Khodadadi*, *"Bayesian Overlapping Community Detection in Dynamic Networks"*, Submitted to Transactions on Network Science and Engineering, IEEE, Under revision.
In Preparation	***A. Khodadadi*, A. Hosseini, Reza H. Moghavi, H. R. Rabiee**, *"Continuous-Time Modeling of User Behavior in Presence of Badges: A case of StackOverflow"*.
	Reza H. Moghavi, *A. Khodadadi*, and H. R. Rabiee, *"Churn Prediction in CQA Sites through Gamification Tools"*.
	***A. Khodadadi*, H. R. Rabiee, and M. Salehi**, *"Activity Based Sampling from Social Networks"*.
M.Sc. Thesis	***A. Khodadadi***, *"Sampling from Complex Networks Considering Activity Level of Nodes"*, Information Technology M.Sc. Thesis, Department of Computer Engineering, Sharif University of Technology, 2012 (In Persian).
B.Sc. Thesis	***A. Khodadadi***, *"Measurement and Analysis of CE Traffic Using SNORT IDS"*, Information Technology B.Sc. Thesis, Department of Computer Engineering, Sharif University of Technology, 2010 (In Persian).

Computer skills

Programming Languages	Java, C, C++, Python, MATLAB, Prolog, Assembly
Web/DB Technologies	HTML, CSS, Git, MySQL, MongoDB
Operating System	Linux, Microsoft Windows
Typesetting	LaTeX, MS Office, Open Office
Distributed System	Apache Hadoop

Languages

Persian	**Native**
English	**Fluent**
Arabic	**Basic**