



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
- 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", (16/20).
Supervisor: Dr. Amir H. Jahangir

Research Interests

- Social Mining User Behavior over Social Media, Network Measurement & Sampling, Network Modeling the Spreading Processes over Networks, Community Detection in Dynamic Analysis 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 Achieving 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, M.Sc. Course, (Prof. Hamid R. Rabiee).
- Summer 2015 **Teaching Network Laboratory Course**, SHARIF UNIVERSITY OF TECHNOLOGY, B.Sc. Course.
- Spring 2015 **Teaching Assistant of Multimedia Course**, SHARIF UNIVERSITY OF TECHNOLOGY, B.Sc. Course, (Prof. Hamid R. Rabiee).
- Spring 2015 **Teaching Assistant of Statistical Learning Course**, SHARIF UNIVERSITY OF TECHNOLOGY, M.Sc. Course, (Prof. Hamid R. Rabiee).
- Fall 2014 **Teaching Assistant of Stochastic Processes Course**, SHARIF UNIVERSITY OF TECHNOLOGY, M.Sc. Course, (Prof. Hamid R. Rabiee).
- Summer 2014 **Teaching Network Laboratory Course**, SHARIF UNIVERSITY OF TECHNOLOGY, B.Sc. Course.
- Spring 2014 **Teaching Network Laboratory Course**, SHARIF UNIVERSITY OF TECHNOLOGY, B.Sc. Course.
- Spring 2014 **Teaching Assistant of Statistical Pattern Recognition Course**, SHARIF UNIVERSITY OF TECHNOLOGY, M.Sc. Course, (Prof. Hamid R. Rabiee).
- Spring 2012 **Teaching Assistant of Multimedia Networks Course**, SHARIF UNIVERSITY OF TECHNOLOGY, M.Sc. Course, (Prof. Hamid R. Rabiee).

Work

- 2014–present **Researcher**, *ITC 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 mobile network. I identified potential services for Fixed 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, and **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.

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- Submitted , A. Hosseini, **A. Khodadadi**, and 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, and **A. Khodadadi**, "Community Detection Using Diffusion Information".
Submitted to Transactions on Knowledge Discovery from Data journal, ACM.
- , M. Ghorbani, H. R. Rabiee, and **A. Khodadadi**, "Bayesian Overlapping Community Detection in Dynamic Networks".
Submitted to Proceedings of the VLDB Endowment journal.
- In Preparation , **A. Khodadadi**, A. Hosseini, Reza H. Moghavi, and 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	L ^A T _E X, MS Office, Open Office
Distributed System	Apache Hadoop

Languages

Persian	Mother tongue
English	Fluent
Arabic	Basic

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