

June 24, 2018

## Arman Sepehr

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Sharif University of Technology  
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**EDUCATION**      **Bachelor of Science**, Computer Engineering, Sharif University of Technology ,  
Tehran, Sep 2007- Sep 2011, *GPA: 16.7*

**Master of Science**, Computer Engineering, Artificial Intelligence  
Sharif University of Technology ,Tehran, Sep 2011- Oct 2013  
*GPA: 17.6*

*Relevant Courses:* Complex Dynamical Networks, Statistical Pattern Recognition, Machine Learning, Data Mining, Neural Networks and Fuzzy Systems  
*Thesis: Multi-class Semi-Supervised Classification of Data Streams(Grade: A)*

**PhD candidate**, Computer Engineering, Artificial Intelligence  
Sharif University of Technology ,Tehran, Sep 2016- Now

*Relevant Courses:* Stochastic Process, Numerical Optimization, Information Theory, Massive Data Algorithm and Machine Learning Theory  
*GPA: 18.5*

### RESEARCH INTERESTS

- Theoretical Machine Learning, Social Network Analysis, Deep Neural Network
- Information Retrieval

### HONORS

- Awarded Internship Scholarship, *Max-Planck Institute for Software System(MPI-SWS)* , Kaiserlautern Germany, 2015.
- *ITRC Research Grant Award* , Telecommunication Research Center (ITRC) Research Grant, awarded to my Master thesis, 2012.
- *Awarded Fellowship of Exceptional Talents* , Sharif University of Technology for Master of Science, 2011.
- *Ranked 3rd* student of BS in my major, Department of Computer Engineering, Sharif University of Technology, 2011.

### TEACHING EXPERIENCE:

*Lecturer*, SUT<sup>1</sup>, International Campus, Operating System(Spring 2016 — Fall 2016)  
*Head Teacher Assistant*, Sharif University of Technology, Machine Learning(2016)  
*Head Teacher Assistant*, Sharif University of Technology, Operating System Lab(2013)  
*Head Teacher Assistant*, Sharif University of Technology, Operating System (2012)  
*Teacher Assistant*, Sharif University of Technology, Machine Learning (2012)  
*Teacher Assistant*, Sharif University of Technology, Signal and Systems (2012)  
*Teacher Assistant*, Sharif University of Technology, Data Structures (2008)

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<sup>1</sup>Sharif University of Technology

*Teacher* , Teaching math as well as programming in NODET school. October 2011-2016.

## **PUBLICATION**

- Sepehr, Arman, and Hamid Beigy. "Viral Cascade Probability Estimation and Maximization in Diffusion Networks:" IEEE TKDE 2018.
- Multi-class semi-supervised classification of data streams, *MSc thesis*, (in Persian), Oct 2013.

## **EXPERIENCE**

- Project Manager at Parsian Insurance, Dec 2015-Sept 2016
- Software Engineer at IIS center in Sharif University of Technology, Aug 2013- Dec 2015
- Software Developer at Mohaymen, Jun 2012 - Jul 2013

## **COMPUTER SKILLS**

- *Social Network Analysis Tools*: MatlabBGL,SNAP C++
- *Machine Learning Tools*: WEKA, LIBSVM
- *Programming Languages*: Java, C/C++, Matlab
- *Web/DB Technologies*: HTML, CSS, Javascript, PHP, MYSQL, Ajax, Symfony
- *Operating Systems Programming*: Linux(expert on Embedded Linux), Windows, Android

## **COMMUNITY SERVICE**

Reviewer at Information Fusion(Elsevier), IEEE TNSE and Computer Society of Iran Conference

Organized and directed the conference in artificial intelligence for highly talented student in Iran

Organized and directed programming contest for highly talented students in Iran, more than 300 people participated each year

## **Projects:**

- How can we create Long and deep cascades in social Network ( Complex Network)
- How can we clarify anomaly process with statistical model ( machine learning)
- Computing trustworthiness in twitter dataset ( Complex Network)
- Multi-class Classification on data-stream (Machine Learning)
- Learning shortest path using reinforcement learning (Machine Learning)
- Temporal text classification (Data Mining)
- Design and Implement Secure Mobile Payment (BSc project)
- Real-time Operating System based on Linux(Operating system)

## **REFERENCES:**

*For further information you can contact to*

Dr. Beigy, Associate Professor, Computer Engineering, Sharif UT, beygi@sharif.edu

Dr. Safari, Assistant Professor, Computer Engineering, Sharif UT, msafari@sharif.edu

Dr. Habibi, Associate Professor, Computer Engineering, Sharif UT, jhabibi@sharif.edu