Mohammad Malekzadeh

PhD student in Computer Science
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EDUCATION

2017 / Present	**PhD Student:** Computer Science School of Electronic Engineering and Computer Science, Queen Mary University of Lonson. **Advisor:** Dr. Hamed Haddadi, Associate Professor.
2009 / 2011	**M.S.:** IT Engineering - Computer Networks Sharif University of Technology, Tehran, Tehran, Iran. **Thesis:** "Link's Sign Prediction in Signed Social Networks"**, Grade:** 19.8/20 **Advisor:** Prof. Hamid R. Rabiee, Professor, Department of Computer Engineering, Sharif University of Technology **GPA:** A **(**17.28 / 20)
2004 / 2008	**B.S.:** Computer Engineering - Software Shahid Chamran University, Ahvaz, Khuzestan,Iran **Thesis:** "Persian CAPTCHA", **Grade:** 20/20 **Advisor:** Mehdy Bohlool, Software Engineer at Google. **GPA:** A **(**17.43 / 20)

PROFESSIONAL APPOINTMENTS

2017(June) – Present	EPSRC Project on Privacy-Aware Personal Data Platform **Member of Databox Project (www.databoxproject.uk)**
2016(June) – 2016(September)	Business Engineering 360 (BE360.ir) **Project Manager of ChetorPro (pro.chetor.com)**
2014(February) – 2016(February)	Persian Gulf University, Bushehr, Bushehr, Iran ***Head of Information and Communication Technology Institute***
2011(September) - 2016(May)	Persian Gulf University, Bushehr, Bushehr, Iran ***Lecturer in Computer Engineering*** Computer Engineering Division, Engineering Department.

AREA OF INTERESTRS

I am interested in Data Science, Machine Learning, Data Mining and Social Network Modeling. Currently, I am investigating these areas:
- o Privacy-Preserving Analytics
- o Time-Series of Sensory data
- o Applied Machine Learning
- o Distributed Learning
- o Deep Neural Networks

PUBLICATIONS

- o **Mohammad Malekzadeh**, Richard G. Clegg, and Hamed Haddadi. "**Replacement AutoEncoder: A Privacy-Preserving Algorithm for Sensory Data Analysis**" submitted to arXiv on 18 Oct 2017.
- o **Mohammad Malekzadeh** and Hamed Haddadi. "**Towards Privacy-Preserving IoT Data Publishing**", 11th Eurosys Doctoral Workshop (EuroDW'17), Belgrade, Serbia, April 23, 2017.
- o Reza Gharibi, Mohammad Malekzadeh, "**Gamified Incentives: A Badge Recommendation Model to Improve User Engagement in Social Media Sites**", International Journal of Advanced Computer Science and Applications(IJACSA), 8(5), 2017.
- o Marziyeh Barghandan, **Mohammad Malekzadeh**, Atefeh Safdel and Iren Mazloomzadeh, "*A Multi-Generational Social Learning Model: the Effect of Information Cascade on Aggregate Welfare*", the 2014 IEEE/ACM International Conference on Advances in Social Networks Analysis and Mining ASONAM 2014, Beijing, China. August 17-20, 2014.
- o **Mohammad Malekzadeh**, MohammadAmin Fazli, Pooya Jalaly Khalilabadi, Hamid R. Rabiee, MohammadAli Safari, "*Social Balance and Signed Network Formation Games*", The 5th SNA-KDD Workshop '11 (SNA-KDD'11), August 21, 2011, San Diego CA, USA.
- o **Mohammad Malekzadeh** and Mehdy Bohlool, "**Persian *CAPTCHA system to prevent automatic subscribing of software robots in web pages***",   13th National CSI Computer Science, Kish, Iran, 2008.

TEACHING EXPERIENCES

- o I was Teacher of "Fundamental Of Programming(C Language)", "Computer Architecture", "Operating Systems Concepts", "Software Engineering", "Advanced Programming (Java Language), "Numerical Analysis", "Technical and Scientific Presentation", "Complex and Dynamical Networks", and "Operating Systems Lab", 2011-2016, at Persian Gulf University.

RESEARCH EXPERIENCES

- o I was the head of Information and Communication Technology Institute at Persian Gulf University, Bushehr, Iran (2014 – Present).
- o I was research assistant at the Digital Media Lab (DML) Computer Engineering Department, Sharif University of Technology, Tehran, Iran (2009 - 2011). Under Supervision of Prof. Hamid R. Rabiee.
- o In the past few years, I had research on:
  - Complex, Information and Social Networks.
  - Data Mining
  - Game Theory and its Applications
  - Statistical Modeling
  - Software Development Principles
  - Software Project management
  - Image Processing
  - Neural Networks

TECHNICAL SKILLS

- o **Software Development**, strong computer programming background (C/C++ and Java/J2EE). By doing projects and teaching in university, I became familiar with other programming languages such as, Python, MATLAB and R.
- o **Machine Learning Framework:** Keras, NumPy, Tensorflow, Mat
- o **Web Development**, familiar with HTML, CSS, JavaScript, AngularJS, PHP and Laravel Framework.
- o **Network and Graph Tools,** familiar with Gephi, SNAP, and Graphviz.
- o **Network Simulators**, familiar with tools such as Opnet and NS2.
- o **Database**, familiar with MySQL and SQLite.
- o **Architecture and Design**, I have designed small to mid-sized systems, and integrated larger ones out of existing pieces. Comfortable with the UML and design documentation.
- o **Visualization:** Matplotlib

AWARDS AND HONORS

- I was awarded a grant of $500 covering travel and lodging to top-tier systems conference **EuroSys 2017** in Belgrade, Serbia.

- I was ranked **1th** among more than **30** faculty members of engineering department at Persian Gulf University as **the best teacher of the year**, 2014.

- I was ranked **2th** among more than **50** computer engineering students **during the bachelor's degree** in Shahid Chamran University of Ahvaz, 2008

- I was ranked **10th** among more than **10,000** participants taking part in the **M.Sc. entrance exam of IT Engineering** in Iran, 2009.

PERSONAL DATA

- **DATE OF BIRTH:** July,23,1986
- **PLACE OF BIRTH:** Genaveh, Bushehr, Iran.
- **LANGUAGES:** Persian (native)**,** English (fluent)
- **MARITAL STATUS:** Married

HOBBIES

- Adventures: Mountain Climbing, Bungee Jumping
- Sports: Cycling, Swimming.
- Arts: Photography, Music, Film.

<u>REFERENCES</u>

Dr Hamed Haddadi

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Dr Richard G. Clegg

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Systems Research Group

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Further available upon request.