Mohammad Malekzadeh

PhD candidate in Computer Science
Queen Mary University of London / Imperial College London

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EDUCATION/RESEARCH

2018 (APR) - Present	**Visiting PhD Researcher**
	Faculty of Engineering, Dyson School of Design Engineering,
	Imperial College London
	Working with: Dr. Hamed Haddadi
2017 (JAN) - Present	**Ph.D. Student: Computer Science**
	School of Electronic Engineering and Computer Science,
	Queen Mary University of London.
	Supervisors**:** Prof. Andrea Cavallaro / Dr. Richard G. Clegg
2009 (SEP) - 2011 (SEP)	**M.S.: Computer Engineering - Computer Networks,**
	Computer Engineering Department,
	Sharif University of Technology, Iran.
	Thesis**:** "Link's Sign Prediction in Signed Social Networks", **Grade:** 19.8/20
	GPA: A (17.28 / 20)
2004 (SEP) – 2008 (SEP)	**B.S.: Computer Engineering – Software**
	Engineering Department,
	Shahid Chamran University, Iran
	Thesis**:** "Persian CAPTCHA", **Grade:** 20/20
	GPA: A (17.43 / 20)

PROFESSIONAL APPOINTMENTS

2018 (APR) – Present	Imperial College London, UK	
	Member of Databox Project (www.databoxproject.uk)	
2014 (FEB) – 2016 (DEC)	Persian Gulf University, Bushehr, Bushehr, Iran	
	Head of Information and Communication Technology Institute	
2012 (JAN) – 2016 (DEC)	Persian Gulf University, Bushehr, Bushehr, Iran	
	Lecturer in Computer Engineering	
2016 (JUN) – 2016(SEP)	Business Engineering 360 (BE360.ir), Iran	
	Project Manager of ChetorPro (pro.chetor.com)	
2014 (SEP) – 2016(FEB)	Persian Gulf University, Bushehr, Bushehr, Iran	
	Project Manager of Shanab (shanab.pgu.ac.ir)	
2010 (JAN) – 2011 (SEP)	Sharif University of Technology, Iran.	
	Research Assistant in Digital Media Lab	

AREA OF INTERESTRS

I am interested in Data Science, Machine Learning, Deep Learning, Data Mining and Network Modeling. 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.

Currently, I am working on **Machine Learning for Privacy-Preserving Analytics on Time-Series Data.**

PUBLICATIONS

o Mohammad Malekzadeh, Richard G. Clegg, Andrea Cavallaro, and Hamed Haddadi.
Mobile Sensor Data Anonymization". arXiv preprint arXiv:1810.11546 (2018).

o Mohammad Malekzadeh, Richard G. Clegg, Andrea Cavallaro, and Hamed Haddadi.
"**Protecting Sensory Data against Sensitive Inferences**". In Proceedings of the 1st EuroSys Workshop on Privacy by Design in Distributed Systems (W-P2DS 2018), April 23, 2018, Porto, Portugal.

o Mohammad Malekzadeh, Richard G. Clegg, and Hamed Haddadi.
"**Replacement AutoEncoder: A Privacy-Preserving Algorithm for Sensory Data Analysis**". The 3rd ACM/IEEE International Conference on Internet-of-Things Design and Implementation, 17-20 April, 2018, Orlando, Florida, U.S.A.

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.

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.

TEACHING EXPERIENCES

o I was teacher assistant of a graduate course (Data Analytics), and two undergraduate courses (Software Engineering, and Computer Security), 2017-2018, at Queen Mary University of London.

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

TECHNICAL SKILLS

o **Software Development**, strong computer programming background (Python and Java)
o **Machine Learning Framework:** Keras, Tensorflow, NumPy. SciPy, Scikit-Learn
o **Web Development**, familiar with HTML, CSS, JavaScript, AngularJS, PHP and Laravel Framework.
o **Database**, familiar with MySQL and MongoDB.
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

- [2018] Our team earned **first place** in Imperial College **AIHack 2018** for Brooklyn Housing Challenge. Nov2018.

- [2018] I was accepted on to the **Alan Turing Institute Data Study Group**, covering all the travelling and accomodation expenses, April 2018.

- [2018] I was awarded a grant covering registration to top-tier systems conference **EuroSys 2018** in Porto, Portugal.

- [2018] I was accepted on to the 2nd CommNet2 PhD Spring School, covering all the travelling and accomodation expenses, March 2018.

- [2017] I was awarded a **$30000** grant of **Microsoft Azure** storage and compute for one year in 2018.

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

- [2017] I was awarded a **Ph.D. studentship**, to work on privacy-preserving personal data analytics, from **Queen Mary University of London, Life Sciences Initiative** in 2017.

- [2014] 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.

- [2009] I was ranked **2th** among more than **50** computer engineering students **during the bachelor's degree** in Shahid Chamran University of Ahvaz, 2008

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

SERVICES and EXPERIENCES

- Program Committee: AMV2018

- External Reviewer for World Wide Web Journal (2018).

- Shadow PC for EuroSys (2018).

LANGUAGES: English (fluent), Persian (native)**.**

REFERENCES

available upon request…