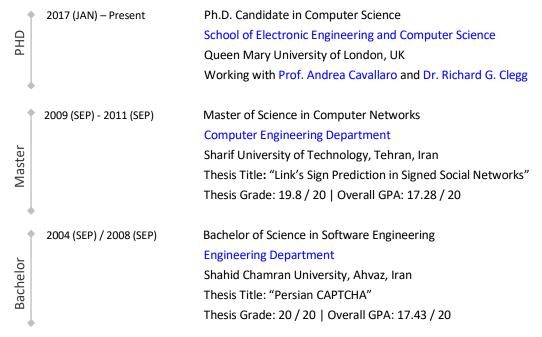
Mohammad Malekzadeh (Research Assistant at Imperial College London)

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Papers: https://scholar.google.co.uk/citations?user=xZr9WQMAAAAJ&hl=en

1. EDUCATION



2. EMPLOYMENT

2020 (June) – Present	Research Assistant at Information Processing and Communications Lab
	Imperial College London, UK
2019 (JUN) – 2019 (SEP)	PhD Intern in Machine Learning at Brave Research (Brave.com/Research)
	Brave Software, London, UK
2018 (APR) – 2018 (NOV)	Research Assistant in Databox Project (databoxproject.uk)
	Imperial College London, UK
2017 (NOV) – 2020 (APR)	Teacher Assistant
	Imperial College London & Queen Mary University of London, UK
2014 (FEB) – 2016 (DEC)	Head of Information and Communication Technology Institute (PGU)
	Persian Gulf University, Bushehr, Bushehr, Iran
2016 (JUN) – 2016(SEP)	Software Engineer at ChetorPro (ChetorPro)
	Business Engineering 360 (BE360.ir), Iran
2014 (SEP) – 2016(FEB)	Project Manager and Software Engineer at Shanab Project (Shanab)
	Persian Gulf University, Bushehr, Bushehr, Iran
2012 (JAN) – 2016 (DEC)	Lecturer in Computer Engineering (PGU)
	Persian Gulf University, Bushehr, Bushehr, Iran

3. AREA OF INTERESTRS and EXPERTIES

My main focus is on privacy and machine learning. I have been working on machine learning systems and algorithms for privacy-preserving personal data analytics, particularly for data generated by the users at the edge. At the moment I am working on privacy-preserving model training and inference in federated learning. Also, in my research career, I have had the opportunity to work on: *Deep Neural Networks, Complex Networks Modeling, Game Theory and its Applications, and Software Development.*

4. PUBLICATIONS

- 1. 2020: **M. Malekzadeh**, D. Athanasakis, H. Haddadi, B. Livshits. **Privacy-Preserving Bandits.** Conference on Machine Learning and Systems (MLSys), Austin, USA.
- 2. 2020: M. Malekzadeh, R. G. Clegg, A. Cavallaro, and Hamed Haddadi. Privacy and Utility Preserving Sensor-Data Transformations. Pervasive and Mobile Computing Journal, Elsevier.
- 3. 2020: E. Lisi, M. Malekzadeh, H. Haddadi, F. D. Lau, S. Flaxman. Modeling and Forecasting Art Movements with CGANs. Royal Society Open Science Journal, The Royal Society.
- 4. 2019: M. Malekzadeh, R. G. Clegg, A. Cavallaro, and H. Haddadi. Mobile Sensor Data Anonymization. ACM/IEEE International Conference on Internet-of-Things Design and Implementation, Montreal, Canada.
- 5. 2018: M. Malekzadeh, R.G. Clegg, A. Cavallaro, and H. Haddadi. Protecting Sensory Data against Sensitive Inferences. EuroSys Workshop on Privacy by Design in Distributed Systems, Porto, Portugal.
- 2018: M. Malekzadeh, R. G. Clegg, and H. Haddadi. Replacement AutoEncoder: A Privacy-Preserving Algorithm for Sensory Data Analysis. ACM/IEEE International Conference on Internet-of-Things Design and Implementation, Orlando, Florida, U.S.A.
- 2017: R. Gharibi, M. Malekzadeh. Gamified Incentives: A Badge Recommendation Model to Improve User Engagement in Social Media Sites, International Journal of Advanced Computer Science and Applications 8(5), 2017.
- 8. 2014: Ma. Barghandan, M. Malekzadeh, A. Safdel and I. Mazloomzadeh. A Multi-Generational Social Learning Model: the Effect of Information Cascade on Aggregate Welfare, IEEE/ACM International Conference on Advances in Social Networks Analysis and Mining (ASONAM), Beijing, China.
- 9. 2011: M. Malekzadeh, M.A. Fazli, P. J. Khalilabadi, H. R. Rabiee, M.A. Safari. Social Balance and Signed Network Formation Games, KDD Social Network Mining and Analysis (SNA-KDD), San Diego CA, USA.
- 2008: M. Malekzadeh and M. Bohlool. Persian CAPTCHA System to Prevent Automatic Subscribing of Software Robots in Web Pages, 13th National CSI Computer Science, Kish, Iran, 2008, (in Persian).

Tutorial:

11. 2020: A. Cavallaro, **M. Malekzadeh**, and A. S. Shamsabadi, **Deep Learning for Privacy in Multimedia**, ACM International Conference on Multimedia, Seattle, United States, (tutorial's hompage).

Under Review:

- 12. 2020: M. Malekzadeh, R. G. Clegg, A. Cavallaro, and H. Haddadi. DANA: Dimension-Adaptive Neural Architecture for Multivariate Sensor Data, arXiv Preprint.
- 13. 2020: F. Mo, A. Borovykh, **M. Malekzadeh**, H. Haddadi, S. Demetriou **Layer-wise Characterization of Latent Information Leakage in Federated Learning,** arXiv Preprint.
- 14. 2020: G. Siracusano, S. Galea, D. Sanvit, **M. Malekzadeh**, H. Haddadi, G. Antichi, R. Bifulco. **Running Neural Network Inference on the NIC**, arXiv Preprint.

Dataset

- 15. 2018: MotionSense Dataset: Human Activity and Attribute Recognition from Smartphone's Motion Sensors.
 - https://github.com/mmalekzadeh/motion-sense https://www.kaggle.com/malekzadeh/motionsense-dataset

Technical Reports, Abstracts, Etc.

- 16. 2019: "Fairness in Algorithmic Decision Making".
- 17. 2018: "Privacy-Preserving Sensor Data Analysis for Edge Computing".
- 18. 2017: "Towards Privacy-Preserving IoT Data Publishing"

5. TEACHING EXPERIENCES

- Teacher Assistant of an undergraduate course (Sensing and IoT), 2018-2019 at Imperial College London.
- Teacher Assistant of a graduate course (Data Analytics), and two undergraduate courses (Software Engineering, and Computer Security), 2017-2019 at Queen Mary University of London.
- 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

6. TECHNICAL SKILLS

- o Machine Learning: Python, Tensorflow, Keras, PyTorch, NumPy, SciPy, Scikit-Learn, Pandas;
- Software Engineering Experiences: I have had experiences on HTML, CSS, JavaScript, AngularJS, NodeJS,
 PHP Laravel Framework; MySQL and MongoDB. I have designed small to mid-sized systems

7. AWARDS, HONORS, GRANTS

- [2019] I was awarded a grant of £290 covering registration to Privacy Preserving Machine Learning workshop at CCS conference in London.
- [2019] I was awarded a \$700 grant covering travel expenses to IoTDI 2019 conference in Montreal, Canada.
- [2018] Our team earned first place in Imperial College AlHack 2018 for Brooklyn Housing Challenge. Nov2018.
- [2018] I was accepted on to the **Alan Turing Institute Data Study Group**, covering all the travelling and accommodation 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 accommodation 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 **10th** among more than **10,000** participants taking part in the **M.Sc. entrance exam of IT Engineering** in Iran, 2009.
- [2008] I was ranked **2th** among more than **50** computer engineering students **during the bachelor's degree** in Shahid Chamran University of Ahvaz, 2008.

8. SERVICES and EXPERIENCES

- Reviewer: Nature Communications, IEEE Transactions on Mobile Computing, World Wide Web Journal, The Web Conference, Symposium on Experimental Algorithms, Privacy Preserving Machine Learning.
- Program Committee: AMV2018.
- Shadow PC: EuroSys2018.

9. LANGUAGES:

- * English (fluent),
- * Persian (native).

10. REFERENCES: Upon Request