

MOHAMMADREZA ARMANDPOUR

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EDUCATION

Ph.D. Statistics, Texas A&M University	<i>Aug 2016 - May 2021</i>
Advisors: Mingyuan Zhou (UT Austin), Debdeep Pati (TAMU)	Overall GPA: 3.95/4
M.S. Applied Mathematics, Sharif University of Technology	<i>2013-2015</i>
Advisor: Kasra Alishahi	Overall GPA: 4/4
Bachelor of Science, Sharif University of Technology	<i>2008-2013</i>
Double Major: Electrical Engineering and Mathematics	Overall GPA: 3.98/4
International Mathematical Olympiad (IMO) Team Training	<i>2007-2008</i>
Only 12 national mathematics gold medalists were allowed to be in the training classes. Iran placed 5th worldwide in the IMO that year	

HONORS AND AWARDS

Gold Medal in Iranian National Mathematical Olympiad	2007
The medal is awarded annually to 12 individuals out of 320,000 students	
Travel Award for AAAI, JSM	2017-2019
The Golden Prize at SETCASA	2017
Southeastern Texas Chapter of the American Statistical Association (SETCASA) Poster Session	
Ranked 1st in Terms of Cumulative GPA	2015
Among M.Sc. applied mathematics students at Sharif University of Technology	
Admission to Graduate Program Without Entrance Exam	2013
As an exceptional talented student, the acceptance rate is less than 1% , Sharif University of Technology	
Exempted from the National B.Sc. Entrance Exam	2008
As a gold medalist in the Mathematical Olympiad, the exam had more than 350,000 participants	

PUBLICATIONS AND RESEARCH EXPERIENCES

Accepted:

- DRUM: End-To-End Differentiable Rule Mining On Knowledge Graphs, Accepted by **NeurIPS 2019**, co-first author, the conference acceptance rate: 21.1% (1428/6743), implemented in TensorFlow
- Robust Negative Sampling for Network Embedding, Accepted by **AAAI 2019**, first author, the conference acceptance rate: 16.2% (1150/7095) , implemented in C++ and R

Submitted:

- Deep Personalized Glucose Level Forecasting Using Attention-based Recurrent Neural Networks, submitted to **KDD 2020**, first author, implemented in PyTorch

Other Research Experiences:

- Reliable Uncertainty Estimates in Deep Neural Networks, Ongoing project under supervision of Dr. Mingyuan Zhou, and Dr. Debdeep Pati
- Adding sparsity to a proposed semi-parametric single-index risk score across populations, We proved an oracle inequality in case of logistic regression and proposed a new approach to get sparse result, under the supervision of Dr. Raymond Carroll (TAMU) and Dr. Tracy Ke (Harvard University), 2017
- Nano-particles Detection Based on the Electron Microscopic Images of Nano-particles, I got the poster session golden prize for my solution to that image processing project, TAMU 2017.

WORK EXPERIENCE

Eli Lilly and Company
ML Research Intern

May 2019 - Aug 2019

- Developing a deep time series forecasting method for prediction of blood glucose in diabetes patients and achieving the state of the art performance. We submitted the manuscript to KDD 2020.

Data Analytics Lab, Texas A&M University
Research Assistant

Aug 2017 - June 2018

- Designing a scalable algorithm for analyzing large-scale networks data, the result of our work got accepted by AAAI 2019.

Research Assistant, Texas A&M University
Teaching Assistant, Texas A&M University

May 2017- Aug 2017

2016-2019

Course list: Regression Analysis, Linear Models, Theory of Statistics, Distribution Theory, Statistical Methods

RESEARCH INTEREST

Bayesian Deep Learning, Variational Inference, Large-Scale Network Analysis, Time Series Forecasting, High-Dimensional Statistics, Knowledge Graphs

SKILLS

Language	Native in Persian; Fluent in English
Computer Languages	Fluent in Python, R, Matlab, C++, L ^A T _E X
Tools	Tensorflow, Pytorch