Kursat Rasim Mestav

Cornell University
Electrical and Computer Engineering
Phone: +1 (607) 375-7372

krm264@cornell.edu
700 Warren Road 22-2A
Ithaca, New York 14850

Education

Cornell University - Ithaca, NY
Ph.D. Candidate, Electrical and Computer Engineering, August 2016 - Dec 2020 (Expected).
Fields: Worked on Deep Learning, Generative Adversarial Networks, and
Anomaly Detection with applications in power systems.
Supervisor: Prof. Lang Tong

Bilkent University - Ankara, Turkey
B.S., Electrical and Electronics Engineering, September 2012 - May 2016.

Selected Publications

Universal Data Anomaly Detection via Inverse Generative Adversary Network
K. R. Mestav, and L. Tong,
IEEE Signal Processing Letters, vol. 27, pp. 511-515, 2020.

**Bayesian State Estimation for Unobservable Distribution Systems
via Deep Learning**
K. R. Mestav, J. Luengo-Rozas, and L. Tong,
IEEE Transactions on Power Systems, vol. 34, no. 6, pp. 4910–4920, Nov 2019.

**Learning the Unobservable: High-Resolution State Estimation
via Deep Learning**
K. R. Mestav, and L. Tong
57th Annual Allerton Conference on Communication, Control, and Computing,
December 2019

**State Estimation for Unobservable Distribution Systems
via Deep Neural Networks**
K. R. Mestav, J. Luengo-Rozas, and L. Tong
IEEE Power Energy Society General Meeting, July 2018.

Industrial and Academic Experience

Deep Learning Researcher Intern at Nokia Bell Labs
Efficient Deep Learning of GMM, June 2020 - September 2020

Visiting Researcher at Chalmers University of Technology
Machine Learning in Power Systems, Gothenburg, Sweden, November - May 2019

Senior Research Project
Human Detecting and Tracking with Multi-sensor, September 2015 - May 2016

Signal Processing Intern at Fraunhofer IIS Nuremberg, Germany
GNSS CRPA Array Processing MATLAB Receiver, May 2015 - August 2015

Software Engineering Intern at Argela Development Labs, Ankara, Turkey
4G/LTE Communication System Development , June 2014 - July 2014

Awards and Fellowships	**Best paper award, IEEE PESGM** May 2018 "State Estimation for Unobservable Distribution Systems via Deep Learning" **Irwin and Joan Jacobs Scholarship, awarded by Cornell University** Fall 2016 **Full Undergraduate Stipend, awarded by Bilkent University.** 2011-2016 **Full Undergraduate Stipend, awarded by The Scientific and Technological Research Council of Turkey** Sep 2011 - May 2016 **Gold Medal in Mathematics, International Zhautykov Olympiad Almaty, Kazakhstan** January 2011 **Bronze Medal, The Mediterranean Mathematics Competition** March 2011 **Intel International Science and Engineering Fair Finalist** March 2011
Teaching	**Cornell University** Teaching Assistant, ECE 2200 Signals and Information, Fall 2020 **Cornell University** Teaching Assistant, ECE 3100 Introduction to Probability and Inference for Random Signals and Systems, Spring 2018 **Cornell University** Teaching Assistant, ECE 5970 Machine Learning with Biomedical Data, Fall 2017 **Bilkent University** Teaching Assistant, Math 102 Calculus II, Spring 2014 **Bilkent University** Teaching Assistant, CS 101 Algorithms and Programming I, Summer 2013 **The Scientific and Technological Research Council of Turkey** Trainer, Turkish National Mathematical Olympiad Team Training Camp, 2013
Languages and Skills	Programming: Python, Java, Android SDK, MATLAB Applications: LaTeX, MS Office Languages: English (Proficient), Turkish (Native), German(Beginner)