

# Kursat Rasim Mestav

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Cornell University  
Electrical and Computer Engineering  
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## Education

### **Cornell University**

Ph.D., Electrical and Computer Engineering, 2016 - Current.  
Fields: Machine learning, optimization, and statistical inference  
with applications in energy and smart power systems.  
Supervisor: Prof. Lang Tong

### **Bilkent University - Ankara, Turkey**

B.A., Electrical and Electronics Engineering, 2016.

## Publications

### **Bayesian State Estimation for Unobservable Distribution Systems via Deep Learning**

K. R. Mestav, J. Luengo-Rozas, and L. Tong,  
IEEE Transactions on Power Systems,” pp. 1–1, 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, 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.

## Awards and Fellowships

### **Best paper award, IEEE PESGM**

2018 “State Estimation for Unobservable Distribution Systems via Deep Learning”

### **Irwin and Joan Jacobs Scholarship, awarded by Cornell University**

Fall 2016-2017

### **Full Undergraduate Stipend, awarded by TUBITAK (The Scientific and Technological Research Council of Turkey)**

2011-2016

### **Gold Medal in Mathematics, International Zhautykov Olympiad Almaty, Kazakhstan**

2011

### **Bronze Medal, International SilkRoad Mathematical Olympiad**

2011

## Industrial and Academic Experience

### **Visiting Researcher**

Chalmers University of Technology, Göteborg, Sweden, November - May 2019

### **Senior Project**

Human Detecting and Tracking with Multi-sensor, 2016

### **Internship at Fraunhofer IIS Nürnberg, Germany**

GNSS CRPA Array Processing MATLAB Receiver, Summer 2015

### **Internship at Argela Inc., Development Labs, Ankara, Turkey**

4G/LTE Communication System Development , Summer 2014

## Teaching

### **Cornell University**

Teaching Assistant, Introduction to Probability and Inference for Random Signals and Systems, Spring 2017

### **Cornell University**

Grader, Machine Learning with Biomedical Data, Fall 2017

### **Bilkent University**

Teaching Assistant, Calculus II, Spring 2014

### **Bilkent University**

Teaching Assistant, Algorithms and Programming I, Summer 2013

### **TUBITAK (The Scientific and Technological Research Council of Turkey)**

Trainer, Turkish National Mathematical Olympiad Team Training Camp, Spring 2013

## Languages and Skills

Programming: Python, Java, MATLAB

Applications: L<sup>A</sup>T<sub>E</sub>X, MS Office

Languages: English (Advanced), Turkish (Native), German(Beginner)