Can Gokalp

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Education

Doctor of Philosophy in Operations Research   May 2019
University of Texas at Austin, Austin, TX
GPA: 3.92/4.00

Master of Science in Industrial and Systems Engineering   Dec 2014
University of Florida, Gainesville, FL
GPA: 3.80/4.00

Bachelor of Science in Electronics Engineering   June 2012
Sabanci University, Istanbul, Turkey
GPA: 3.44/4.00

Skills

Computer: MATLAB, Python, AMPL, MS Office Programs

Optimization: 3 years experience in building mathematical optimization / operations research models; Robust Optimization, Convex Optimization, Integer Programming, Network Optimization

Statistical Learning: Statistical Modeling, Machine learning algorithms

Work / Research Experience

Graduate Research Assistant   Dec 2016 – Present
University of Texas at Austin, Austin, TX
- Advancing state-of-the-art mathematical optimization models and methodologies for addressing decision-making problems under uncertainty
- Developing tractable reformulations for optimization problems with decision dependent uncertainty

Teaching Assistant   August 2015 – Dec 2016
University of Texas at Austin, Austin, TX
- Created weekly course materials for a class of 150 students, led discussion sessions
- Taught the class in the absence of the professor

Mainframe Database Administrator   Sep 2012 - April 2013
Turkiye Is Bank - Istanbul, Turkey
- Automated weekly and monthly Excel reports by writing VBA, saving 6 hours per week
- Implemented and administered databases throughout development and production life cycles
- Presented capacity and performance reports to upper management

Projects

Logistics Network Design   May 2016
- Developed an optimization heuristic to solve a large size multi echelon facility location problem with product specific time-based service level requirements.

Determining K in K means   Dec 2016
- Analyzed and compared performance of X-means, G-means and Gap Statistics algorithms that are designed to help find k in k means clustering on real data sets.