Omer Berk OLMEZ **Curriculum Vitae**

Contact Information
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Education

Ph.D., Operations and Decision Analytics, Zicklin School of Business, Baruch College, CUNY*, 2021 – Present*
Thesis title: "Multi-channel service delivery beyond boundaries"
Thesis advisor: Alex Mills

M.S., Industrial Engineering, Ozyegin University*, 2018 – 2021*
Thesis title: "An adaptive large neighborhood search for the inventory routing problem using vehicles with multiple and configurable compartments"
Thesis advisor: Ali Ekici

B.S., Industrial Engineering, Ozyegin University*, 2013 – 2018*
Senior Design Project: "A clustering algorithm for determining global warehouse locations for Arcelik"

Publications & Working papers

Journal Publications
J1. Olmez, O.B., Gultekin, C., Balcik, B., Ekici, A., Ozener, O.O. 2022. "A variable neighborhood search based matheuristic for a waste cooking oil collection network design problem", *European Journal of Operations Research*, 302(1), 187–202

Book Chapters
B1. Gultekin, C., Olmez, O.B., Balcik, B., Ekici A., Ozener O.O. 2020. "A decomposition-based heuristic for a waste cooking oil collection problem", in *Green Transportation and New Advances in Vehicle Routing Problems, Springer, Cham.*

Working Papers
W1. Olmez, O.B., Mills, A. "Pooling in-person and virtual queues with an application to telehealth"
W2. Olmez, O.B., Mills, A. "Understanding customer preferences for virtual versus in-person services"

Academic Positions

Graduate Assistant 08/2021 – Present
Baruch College, CUNY, New York, USA

Research Assistant 01/2024 – 09/2024
New York City College of Technology, CUNY, New York, USA
Project Title: PFI-TT: Prototyping a quantum-powered AI building platform.
Description: Assisted in developing benchmarks with convolutional neural networks to evaluate the performance of quantum computing algorithms.

Awards & Fellowships

Mills Tannenbaum Research Excellence Award*, 2023*
Baruch College, CUNY, New York, USA
Description: In recognition of outstanding research as a doctoral student.

Teaching Activities

Instructor*, Baruch College, CUNY*
Course title: Foundations of Predictive Analytics and Decision Modeling (QNT2020)
Fall 24, Spring 24, Fall 23, Spring 23, Fall 22

Teaching Assistant*, Ozyegin University*
Course title: Mathematical Modelling and Exact Methods (IE342)
Spring 20, Fall 20, Summer 19, Spring 19, Fall 18
Course title: Mathematical Modelling and Heuristic Methods (IE343)
Spring 19, Fall 19
Course title: Optimization in Finance (IE361)
Fall 20, Spring 21

Undergraduate Teaching Assistant, *Ozyegin University*
Course title: Introduction to Computer Programming (CS101)
Fall 14, Spring 15

Work Experience

System Development and Logistics Project Student 03/2018 – 08/2018
Arçelik, Istanbul, Turkey
Description: Developing and optimizing supply chain networks through custom algorithms, analyzing network's performance and translating insights into visual representations.

Lean Enterprise Intern 08/2017 – 03/2018
Henkel, Istanbul, Turkey
Description: Assisted in implementing Lean methodologies across plant operations, including Value Stream Mapping, Improved Flow, Autonomous Maintenance, 5S, Visual Management, Quick Changeover, Kanban, and Standardized Work.

Engineering Design Technologies Intern 06/2017 – 08/2017
GE Aviation, Kocaeli, Turkey
Description: Provided project management support across ongoing projects, utilizing tools to streamline processes, monitor milestones, and ensure alignment with project objectives.

Conference Activities

Conference Presentations
Presented work:"Pooling in-person and virtual queues with an application to telehealth"
INFORMS Annual Meeting 2024, Seattle, WA.
POMS International Conference 2024, Istanbul, Turkey.
POMS 34th Annual Conference 2024, Minneapolis, MN.
INFORMS Annual Meeting 2023, Phoenix, AZ.

Skills & Certificates

Programming Skills
Python, Java, C++, R, MATLAB,
Gurobi, CPLEX, Baron,
Qiskit (QWorld Bronze Certificate)