Ali Daei Naby

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EDUCATION

University of Toronto, Rotman School of Management, Canada   Sep. 2022 -
Ph.D. in Operations Management and Statistics
Advisors: Prof. Azarakhsh Malekian and Prof. Ming Hu

Sharif University of Technology, Iran   Nov. 2020 - July 2022
M.Sc. in Applied Mathematics   GPA: 18.52/20
Advisors: Prof. Kasra Alishahi and Prof. Mir-Omid Haji-Mirsadeghi

Sharif University of Technology, Iran   Sep. 2015 - Feb. 2020
B.Sc. in Mathematics and Applications   GPA: 17.87/20
Advisor: Prof. Kasra Alishahi

RESEARCH INTERESTS

- **Linear and nonlinear Optimization**
- **Mechanism design and revenue management**
- **Applied probability and statistics**

PUBLICATIONS AND WORKING PAPERS

Incentivizing Data Collaboration: A Mechanism Design Approach
with Saeed Alaei, Ali Makhdoumi, and Azarakhsh Malekian

Inspect or Guess? Mechanism Design with Unobservable Inspection
with Saeed Alaei and Azarakhsh Malekian
Under review at Operations Research
Accepted at the 21st Conference on Web and Internet Economics (WINE 2025)

Robust One-Shot Price Experiment
with Setareh Farajollahzadeh and Ming Hu
Major Revision at Management Science
In Proceedings of the 26th ACM Conference on Economics and Computation (EC 2025)

Optimal NFT Art Collection Design
with Ming Hu and Zhoupeng (Jack) Zhang

AWARDS

- **Research Grant ($3,000)** from TD Management Data and Analytics Lab   July 2024
  For the paper *Optimal NFT Art Collection Design*

- **Bronze Medal**, International Mathematical Olympiad (IMO),   July 2015
  Chiang Mai, Thailand.

- **Ranked** 2nd, Iranian Applied Mathematics M.Sc. University Entrance Exam   Aug. 2020
  Tehran, Iran

- **Second Prize**, International Mathematics Competition for University Students (IMC),   July 2019
  Blagoevgrad, Bulgaria.

- **Gold Medal(1st Place)**, 43rd Iranian Mathematics Competition for University Students,   Sep. 2019
  Rafsanjan, Iran.
- **Gold Medal(1st Place)**, 20th National Mathematics Olympiad,   June 2019
  Tehran, Iran.
- **Gold Medal(1st Place)**, Al-Khwarizmi International Mathematical Olympiad,   Oct. 2018
  Urgench, Uzbekistan.
  Won the special award with full marks among students of 56 universities from more than 20 countries.
- **Gold Medal(1st Place)**, 42nd Iranian Mathematics Competition for University Students,   July 2018
  Behshahr, Iran.
- **Gold Medal** Iranian National Olympiad in Mathematics for High-school Students,   Sep. 2014
  Young Scholars' Club, Tehran, Iran.
- **Gold Medal** Iranian National Olympiad in Mathematics for High-school Students,   Sep. 2013
  Young Scholars' Club, Tehran, Iran.

TEACHING EXPERIENCE

Rotman School of Management, Teaching Assistant

Operations Management (undergraduate)	Fall 2023 and 2025
MMA Practicum (MMA Core)	Spring 2024-2025
Management Analytics (MMA Core)	Fall 2023
Analytics for Marketing Strategy (MMA Core)	Spring 2023

Sharif University of Technology, Teaching Assistant

Applied Stochastic Processes (graduate)	Spring 2022
Introduction to Probability Theory (graduate)	Spring 2022
Real Analysis (graduate)	Fall 2021
Stochastic Analysis (graduate)	Spring 2021

SELECTED TALKS

Inspect or Guess? Mechanism Design with Unobservable Inspection

- INFORMS Revenue Management and Pricing (RMP) Conference, New York, USA   July 2025
- Marketplace Innovation Workshop (MIW)   May 2025

Robust One-Shot Price Experiment

- Economics and Computation (EC) Conference, Palo Alto, USA   July 2025
- University of Calgary Haskayne School of Business, Calgary, Canada   Oct. 2024
- INFORMS Annual Meeting, Seattle, USA   Oct. 2024
- Production and Operations Management Society (POMS) Conference   April 2024

Optimal NFT Art Collection Design

- INFORMS Revenue Management and Pricing (RMP) Conference, New York, USA   July 2025