

Ali Daei Naby

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EDUCATION

University of Toronto, Rotman School of Management , Canada <i>Ph.D. in Operations Management and Statistics</i> Advisors: Prof. Azarakhsh Malekian and Prof. Ming Hu	Sep. 2022 - July 2027 (exp.)
Sharif University of Technology , Iran <i>M.Sc. in Applied Mathematics</i> Advisors: Prof. Kasra Alishahi and Prof. Mir-Omid Haji-Mirsadeghi	Nov. 2020 - July 2022 GPA: 18.52/20
Sharif University of Technology , Iran <i>B.Sc. in Mathematics and Applications</i> Advisor: Prof. Kasra Alishahi	Sep. 2015 - Feb. 2020 GPA: 17.87/20

RESEARCH INTERESTS

- Revenue management and mechanism design
- Linear and nonlinear optimization
- Applied probability and statistics

PUBLICATIONS AND WORKING PAPERS

Inspect or Guess? Mechanism Design with Unobservable Inspection
with Saeed Alaei and Azarakhsh Malekian
R&R at Operations Research
To appear in Proceedings of 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)
Winner, 2025 Oded Berman Student Paper Competition

Incentivizing Data Collaboration: A Mechanism Design Approach
with Saeed Alaei, Ali Makhdoumi, and Azarakhsh Malekian
NeurIPS 2025 Workshop on Algorithmic Collective Action (ACA)

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

AWARDS

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| • Winner , Oded Berman Student Paper Competition, | Dec. 2025 |
| • Bronze Medal , International Mathematical Olympiad (IMO),
Chiang Mai, Thailand. | July 2015 |
| • Second Prize , International Mathematics Competition for University Students (IMC),
Blagoevgrad, Bulgaria. | July 2019 |
| • Gold Medal (1 st Place), 43 rd Iranian Mathematics Competition for University Students,
Rafsanjan, Iran. | Sep. 2019 |

- **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 Fall 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

Digital Art Collection Design

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