

# Ali Daei Naby

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ali.daeinaby@mail.utoronto.ca

## EDUCATION

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

*NeurIPS 2025 Workshop on Algorithmic Collective Action (ACA)*

### Digital Art Collection Design

with Ming Hu and Zhoupeng (Jack) Zhang

## AWARDS

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

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

## TEACHING EXPERIENCE

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### **Rotman School of Management, Teaching Assistant**

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|---|-------------------------|
| 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**

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|---|-------------|
| 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

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### **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