

# Ali Daei Naby

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## EDUCATION

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**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

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

## PUBLICATIONS AND WORKING PAPERS

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**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*

*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

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- **Bronze Medal**, International Mathematical Olympiad (IMO), July 2015  
Chiang Mai, Thailand.
- **Ranked 2<sup>nd</sup>**, 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(1<sup>st</sup> Place)**, 43<sup>rd</sup> Iranian Mathematics Competition for University Students, Sep. 2019  
Rafsanjan, Iran.

- **Gold Medal**( $1^{st}$  **Place**), 20<sup>th</sup> National Mathematics Olympiad, June 2019  
Tehran, Iran.
- **Gold Medal**( $1^{st}$  **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**( $1^{st}$  **Place**), 42<sup>nd</sup> 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

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### 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

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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

### Optimal NFT Art Collection Design

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