

Seif Eldin Metwally

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Education

- **University of Alberta**
M.Sc. in Statistical Machine Learning (Supervisor: Christoph Frei, Co-Supervisor: Nidhi Hegde), 2025–Expected 2027
- **University of Alberta**
B.Sc. Mathematics with Computing Science Minor with Distinction, GPA: 3.8, 2021–2025

Scholarships & Awards

- **NSERC, Canadian Graduate Scholarship - Master's** (\$27 000) 2025–2026
Research Proposal: Distribution Robust Optimization in Performative Prediction Settings
- **University of Alberta, Waler H Johns Graduate Fellowship** (\$7 100) 2025–2026
Top-Up award given to students who hold a Canada Graduate Scholarship - Master's
- **University of Alberta, Graduate Recruitment Scholarship** (\$5 000) 2025–2026
To recruit graduate students with outstanding academic achievement in Undergraduate studies.
- **NSERC, Undergraduate Student Research Award** (\$9 500) 2025
Research Proposal: Distribution Robust Optimization in Performative Prediction Settings
- **NSERC, Undergraduate Student Research Award** (\$9 500) 2024
Research Proposal: Distribution Robust Optimization in Performative Prediction Settings
- **NSERC, Undergraduate Student Research Award** (\$9 500) 2023
Research Proposal: Optimal execution of Foreign Exchange Triplets in Discrete Time Settings
- **Government of Alberta, Jason Lang Scholarship** (\$3 000) 2021–2024
For outstanding academic achievement in Undergraduate studies.
- **Government of Alberta, Alexander Rutherford Scholarship** (\$2 500) 2022
For outstanding academic achievement in High School.
- **Real AI, Hack-GPT** (\$1 500) 2023
Won hackathon for creating a chatbot for querying real estate listings.

Event Contributions

- **Dean's Reception**, *Overview of Summer Research - Using Distribution Robust Optimization for Performative Prediction*, September 2024.
- **Alberta's Mathematics Dialogue** *Performative DRO: Training Fair Models that Affect Their Data*, May 2025

Work Experience

- **Undergraduate Research Assistant**, University of Alberta (May 2025–Present)
Conducting research on performative DRO.
- **Lead Math Tutor**, UpYourGrade (June 2024–Present)
Conducting seminars, provided tutoring, and managed over 350 tutor hours.
- **Undergraduate Research Assistant**, University of Alberta (May 2024–Sept 2024)
Conducted research on Distribution Robust Optimization.
- **Undergraduate Teaching Assistant**, University of Alberta (Sept 2023–Dec 2023)
Graded assignments for introductory statistics class.
- **Undergraduate Research Assistant**, University of Alberta (May 2023–Sept 2023)
Conducted research on trading foreign exchange currencies.