

EDUCATION

University of Alberta , Edmonton, Canada PhD., Computing Science Advisors: Michael Bowling	Enrolled: Sep 2025 — Expected: NA
University of Alberta , Edmonton, Canada M.Sc., Computing Science ¹ Thesis: Model-Based Exploration in Markov Decision Processes Advisors: Matthew E. Taylor, Michael Bowling	Enrolled: Jan 2023 — Graduated: Aug 2025
K. N. Toosi University of Technology , Tehran, Iran B.Sc., Electrical-Control Engineering	Enrolled: Sep 2015 — Graduated: Sep 2020

RESEARCH INTERESTS

Theoretical understanding of machine learning topics especially around sequential decision-making:

- Reinforcement Learning: Exploration-Exploitation Dilemma, Continual Learning
- Game Theory: Hindsight Rationality, No-Regret Learning
- Online Learning: Online Convex Optimization

PUBLICATIONS

Model-Based Exploration in Monitored Markov Decision Processes Alireza Kazemipour, Simone Parisi, Matthew E. Taylor, Michael Bowling <i>In International Conference on Machine Learning (ICML)</i> , 2025 Full paper acceptance rate: 26.9%	[Paper]
Beyond Optimism: Exploration With Partially Observable Rewards Simone Parisi, Alireza Kazemipour, Michael Bowling <i>In Advances in Neural Information Processing Systems (NeurIPS)</i> , 2024 Full paper acceptance rate: 25.8%	[Paper]
Monitored Markov Decision Processes Simone Parisi, Montaser Mohammadalamen, Alireza Kazemipour, Matthew E. Taylor, Michael Bowling <i>In Autonomous Agents and Multi-Agent Systems (AAMAS)</i> , 2024 Full paper acceptance rate: 25%	[Paper]

RESEARCH EXPERIENCE

Graduate Research Assistant , Department of Computing Science University of Alberta, Edmonton, Canada	Mar 2023 - Present
<ul style="list-style-type: none">• A member of:<ul style="list-style-type: none">— <i>Alberta Machine Intelligence Institute (Amii)</i>— <i>Reinforcement Learning and Artificial Intelligence Lab (RLAI Lab)</i>— <i>Intelligent Robot Learning Lab (RIL Lab)</i>• Doing research in the area of reinforcement learning in the face of partially observable rewards	Sep 2017 - Jul 2019

Under Graduate Research Assistant , KN2C Robotics Team K. N. Toosi University of Technology, Tehran, Iran	Sep 2017 - Jul 2019
<ul style="list-style-type: none">• Developed computer vision algorithms suitable for indoor drones to navigate through a prespecified path autonomously without the pilot's aid.	Sep-Dec 2025

TEACHING EXPERIENCE

Teaching Assistant , Machine Learning I (CMPUT267) University of Alberta, Edmonton, Canada	Sep-Dec 2025
<ul style="list-style-type: none">• Office hours for helping students• Marking assignments and proctoring final/midterm exams for more than 300 students	Instructor: Volodymyr Tkachuk

¹Courses: Reinforcement Learning II: A, Modeling Strategic Behavior: A, Theoretical Foundations of Machine Learning: C+, Optimization and Decision Making under uncertainty: A+.

Teaching Assistant, **Introduction to Reinforcement Learning** (CMPUT365)
University of Alberta, Edmonton, Canada

Jan-Apr 2025
Instructor: **Csaba Szepesvári**

- Conducting tutorial sessions and holding office hours for helping students
- Designing assignments and final/midterm exams for more than 180 students

Teaching Assistant, **Search and Planning in AI** (CMPUT366)
University of Alberta, Edmonton, Canada

Jan-Apr 2023, 2024
Instructor: **Levi Lelis**

- Conducting monthly lab sessions for helping students
- Marking assignments and final/midterm exams for more than 120 students

Teaching Assistant, **Fundamentals of Computer Vision**
K. N. Toosi University of Technology, Tehran, Iran

Feb-Jul 2020
Instructor: **Behrooz Nasihatkon**

- Conducting oral assignments/exams
- Designing an assignment on using classic statistical learning methods for the digit classification problem

Teaching Assistant, **Signals and Systems**
K. N. Toosi University of Technology, Tehran, Iran

Sep 2019 - Feb 2020
Instructor: **Dr. Maryam mohebbi**

- Conducting weekly lab sessions
- Marking assignments

Community Service

Co-Reviewer, ICML

Feb 2025

Co-Reviewer, ICLR

Oct 2025

Vice President, Computing Science Graduate Students' Association
University of Alberta, Edmonton, Canada

May 2023 - April 2024

- Organized the welcome event for more than 110 newly admitted graduate student plus more than 60 senior students
- Organizing monthly recreational activities for students, including but not limited to:
 - Group trip to Waterpark @ West Edmonton Mall,
 - Group trip to tickets for Taste of Edmonton
 - Group trip to Activate
 - Annual BBQ gathering of the department of Computing Science

Co-Organizer, RLAI Tea Time Talks
University of Alberta, Edmonton, Canada

Jun - Aug 2023

- Preparing refreshments for in-person audience
- Preparing a stable remote connection for remote audience and recording the meeting

Co-Organizer, Introduction to JAX library workshop
Alberta Machine Learning Institute, Edmonton, Canada

Jan 2024

- Disseminating the event's details to the graduate students of the Computing Science department @ UofA
- Inviting and organizing panelist
- Preparing the overview of the contents that panelist should present and discuss

Honors and Awards

University of Alberta Graduate Recruitment Scholarship
University of Alberta, Edmonton, Canada

\$5000
Sep 2025

Mary Louise Imrie Graduate Student Award
University of Alberta, Edmonton, Canada

\$2000
Jun 2025

3rd place in the Unmanned Aerial Vehicle League among 16 teams
The RoboCup Iran Open Competitions

[[Certificate](#)]
2018

Talks

Model-Based Exploration in Monitored Markov Decision Processes
Workshop on Advances in Machine Learning Theory, Upper Bound, Edmonton, Canada

[[Webpage](#)]
May 2025

Optimism & Mon-MDPs
Tea Time Talk, RLAI lab and Amii, Edmonton, Canada

[[Video](#)]
Jul 2024