

Last update December 30, 2025.

Alireza Kazemipour

kazemipo@ualberta.ca | alirezakazemipour.github.io

EDUCATION¹

University of Alberta , Edmonton, Canada Ph.D., Computing Science (Specialization in Statistical Machine Learning) Advisors: Michael Bowling	Sep 2025 - NA
University of Alberta , Edmonton, Canada M.Sc., Computing Science Thesis: Model-Based Exploration in Markov Decision Processes Advisors: Matthew E. Taylor, Michael Bowling	Jan 2023 - Aug 2025
K. N. Toosi University of Technology , Tehran, Iran B.Sc., Electrical-Control Engineering	Sep 2015 - Sep 2020

RESEARCH INTEREST

Mathematics, with a focus on Applied Mathematics and Machine Learning

PUBLICATIONS

Model-Based Exploration in Monitored Markov Decision Processes Alireza Kazemipour , Matthew E. Taylor, Michael Bowling <i>In International Conference on Machine Learning (ICML)</i> , 2025 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 Acceptance rate: 25.8%	[Paper]

Monitored Markov Decision Processes Simone Parisi, Montaser Mohammedalamen, Alireza Kazemipour , Matthew E. Taylor, Michael Bowling <i>In Autonomous Agents and Multi-Agent Systems (AAMAS)</i> , 2024 Acceptance rate: 25%	[Paper]
---	---------

RESEARCH EXPERIENCE

Graduate Research Assistant , Department of Computing Science University of Alberta, Edmonton, Canada	Mar 2023 - Present
---	--------------------

- A member of:
 - *Alberta Machine Intelligence Institute (Amii)*
 - *Reinforcement Learning and Artificial Intelligence Lab (RLAI Lab)*

¹**Graduate courses:** Reinforcement Learning II: A, Modeling Strategic Behavior: A, Theoretical Foundations of Machine Learning: C+, Optimization and Decision Making under uncertainty: A+, Stochastic Processes: A.

- *Intelligent Robot Learning Lab (RIL Lab)*
- Doing research in the area of reinforcement learning in the face of partially observable rewards

Under Graduate Research Assistant, KN2C Robotics Team Sep 2017 - Jul 2019
K. N. Toosi University of Technology, Tehran, Iran

- Developed computer vision algorithms suitable for indoor drones to navigate through a prespecified path autonomously without the pilot's aid.

TEACHING EXPERIENCE

Teaching Assistant, *Machine Learning I (CMPUT267)* Sep-Dec 2025
University of Alberta, Edmonton, Canada Instructor: **Volodymyr Tkachuk**

- Office hours for helping students
- Marking assignments and proctoring final/midterm exams for more than 300 students

Teaching Assistant, *Introduction to Reinforcement Learning (CMPUT365)* Jan-Apr 2025
University of Alberta, Edmonton, Canada 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)* Jan-Apr 2023, 2024
University of Alberta, Edmonton, Canada 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* Feb-Jul 2020
K. N. Toosi University of Technology, Tehran, Iran 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* Sep 2019 - Feb 2020
K. N. Toosi University of Technology, Tehran, Iran 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* May 2023 - April 2024
University of Alberta, Edmonton, Canada

- 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 panelists
- Preparing the overview of the contents that panelist should present and discuss

Honors and Awards

University of Alberta Graduate Recruitment Scholarship \$5000
University of Alberta, Edmonton, Canada Sep 2025

Mary Louise Imrie Graduate Student Award \$2000
University of Alberta, Edmonton, Canada Jun 2025

Third place in the Unmanned Aerial Vehicle League [Certificate] 2018
RoboCup Iran Open Competitions, Tehran, Iran

Talks

Model-Based Exploration in Monitored Markov Decision Processes [Webpage]
Advances in Machine Learning Theory, Upper Bound, Edmonton, Canada May 2025

Optimism & Mon-MDPs [Video]
Tea Time Talk, RLAI lab and Amii, Edmonton, Canada Jul 2024