

Parham Mohammad Panahi

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Edmonton Alberta Canada

Education

2022 – Present **University of Alberta** – Edmonton, Canada
M.Sc. in Computing Science (GPA: 4.0/4.0)
Advisor: [Adam White](#)
Research Topic: Reinforcement Learning

2016 – 2021 **Azad University** – Tehran, Iran
B.Sc. in Computer Science (GPA: 3.93/4.0)

Publications

April 2024 **A New View on Planning in Online Reinforcement Learning**
*K. Roice, ***P. M. Panahi**, S. Jordan, A. White, M. White (*PRL workshop ICAPS 2024*)

Mar 2024 **Investigating the Interplay of Prioritized Replay and Generalization**
P. M. Panahi, A. Patterson, M. White, A. White. (*Under Review*)

Mar 2024 **Forager: a light-weight testbed for never-ending reinforcement learning**
A. Hakhverdyan, **P. M. Panahi**, A. Patterson, J. He, E. Elelimy, M. White, A. White.
(*Under Review*)

Jan 2024 **Tuning for the Unknown: Revisiting Evaluation Strategies for Lifelong RL**
*G. Mesbahi, *O. Mastikhina, **P. M. Panahi**, M. White, A. White. (*arXiv preprint*)

Jan 2024 **Goal-Space Planning With Subgoal Models**
*C. Lo, *K. Roice, ***P. M. Panahi**, S. Jordan, A. White, G. Mihucz, F. Aminmansour,
M. White (*Under Review JMLR*)

Experience

Sept 2022 – Present **Graduate Student** University of Alberta
My research goal is to create sample efficient reinforcement learning methods that can adapt to a changing environment.

- Sept 2023 – Present **Part-time Contractor** Alberta Machine Intelligence Institute (amii)
Contributed through 100 hours+ of work-integrated learning and collaboration with [Adam White](#) and [Alona Fyshe](#) and amii’s training team to create [AI Everywhere](#), an introductory AI course for all students at University of Alberta.
- Sept 2022 – Apr 2023 **Teaching Assistant** University of Alberta
Course: CMPUT 175 - Introduction to the Foundations of Computation II
Conducted Labs to assist and test students, Marked Labs and Assignments, helped students during Office Hours.
- Nov 2021 – July 2022 **Content Creator** Caspian Net Pars
Designed and Produced Courses on Programming and Machine Learning.
- Dec 2020 – Sep 2021 **Research Assistant** Azad University
Implemented a Deep Learning Audio/Visual Speech Recognition system for Farsi.
- Sept 2018 – Apr 2019 **Teaching Assistant** Azad University
Course: Introductory and Advanced Programming
Conducted Labs and gave supplementary lectures on Programming Paradigms.

Academic Services

- 2024 Reviewer for RLC 2024

Honors and Scholarships

- 2023 University of Alberta FGSR Graduate Travel Award 2023 - 2024
- 2023 Admitted to the DLRL2023 Summer School Organized by CIFAR/MILA
- 2022 University of Alberta Graduate Recruitment Scholarship FALL 2022/23
- 2021 Rank 25 in National Mathematical Olympiad for University Students in Iran

Other Skills

Programming Languages: Python, Julia, C++, and many Machine Learning and Scientific Computing Packages, including Torch, TensorFlow, and Jax.

Languages: English (IELTS band 8), Farsi (native).