Martin Klissarov

https://mklissa.github.io | Google Scholar | martin.klissarov@mail.mcgill.ca

EDUCATION

MCGILL UNIVERSITY
PhD in Computer Science
2020 - now
Supervisor: Prof. Doina Precup &
Prof. Marlos C. Machado
Cum. GPA: 4.0 / 4.0

MSc in Computer Science
2018 - 2020
Supervisor: Prof. Doina Precup
Cum. GPA: 4.0 / 4.0

POLYTECHNIQUE MONTRÉAL
BEng in Electrical Engineering
2014 - 2018
Cum. GPA: 3.9 / 4.0

ACADEMIC SERVICE

CONFERENCE REVIEWER

- NeurIPS [2020, 2021* | 2022*| 2023]
- ICLR : [2022* | 2023 | 2024]
- ICML : [2021 | 2022 | 2023 | 2024]
- AAAI : [2020 | 2021 | 2022]
- RLC : [2024]

Outstanding/Highlighted Reviewer

CONFERENCE ORGANIZER

- CoLLAs : [2022]

WORKSHOP ORGANIZER

- TAFM @ RLC : [2024]

SKILLS

SOFTWARE

JAX • PyTorch • TensorFlow •
Numpy • Python • Bash

LANGUAGES

French • English • Bulgarian (native) •
Mandarin (elementary)

CITIZENSHIPS

Canadian
Bulgarian (EU)

RESEARCH EXPERIENCE

APPLE MLR Research Scientist Intern
Supervisors: Devon Hjelm & Alex Toshev
March 2024 - Now

META AI Research Scientist Intern
Supervisors: Amy Zhang & Mikael Henaff
June 2023 - Nov 2023

DEEPMIND Research Scientist Intern
Supervisor: Marlos C. Machado
July 2022 - Nov 2022

AMAZON SCIENCE Research Scientist Intern
Supervisor: Rasool Fakoor and Alex Smola
Sep 2021 - Dec 2021

SELECTED PUBLICATIONS

◊ Code as Reward: Empowering Reinforcement Learning with VLMs
David Venuto, Sami Nur Islam, **Martin Klissarov**, Doina Precup, Sherry Yang and Ankit Anand, *ICML*, 2024

◊ Motif: Intrinsic Motivation from Artificial Intelligence Feedback
Martin Klissarov*, Pierluca D'oro*, Shagun Sodhani, Roberta Raileanu, Pierre-Luc Bacon, Pascal Vincent, Amy Zhang and Mikael Henaff, *ICLR*, 2024

◊ Deep Laplacian-based Options for Temporally-Extended Exploration
Martin Klissarov and Marlos C. Machado. *ICML*, 2023

◊ Adaptive Interest for Emphatic Reinforcement Learning
Martin Klissarov , Rasool Fakoor, Jonas Mueller, Kavosh Asadi, Taesup Kim and Alex Smola, *NeurIPS*, 2022

◊ Flexible Option Learning
Martin Klissarov and Doina Precup, *NeurIPS*, 2021 (Spotlight)

◊ Reward Propagation Using Graph Convolutional Networks
Martin Klissarov and Doina Precup, *NeurIPS*, 2020 (Spotlight)

◊ Options of Interest: Temporal Abstraction with Interest Functions
Khimya Ketharpal, **Martin Klissarov**, Maxime Chevalier-Boisvert, Pierre-Luc Bacon and Doina Precup, *AAAI*, 2020

◊ When Waiting is not an Option: Learning Options with a Deliberation Cost
Jean Harb, Pierre-Luc Bacon, **Martin Klissarov** and Doina Precup, *AAAI*, 2018

◊ Learning Options End-to-End for Continuous Actions Tasks
Martin Klissarov, Pierre-Luc Bacon, Jean Harb and Doina Precup, Workshop on Hierarchical Reinforcement Learning at *NeurIPS*, 2017

SELECTED AWARDS

May 2020	**NSERC** Alexander Graham Bell Scholarship	
May 2018	**McGill** Graduate Excellence Scholarship	
May 2018	**FRQNT** Masters Degree in Natural Science Scholarship	