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
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 - 2017
Cum. GPA: 3.9 / 4.0

COURSEWORK

GRADUATE
Reinforcement Learning
Deep Learning
Stochastic Approximation
Probability and Statistics

UNDERGRADUATE
Algorithms and Data Structures
Object-Oriented Programming
Linear Algebra
Signal Processing

SKILLS

SOFTWARE
JAX • TensorFlow • PyTorch •
Theano • MXNet • Numpy •
Python • MATLAB • Bash

ACADEMIC SERVICE

Conference Reviewer:
- NeurIPS: 2020 / 2021 (Outstanding Reviewer) / 2022 (Top reviewer)
- ICLR: 2022 (Highlighted Reviewer) /2023
- ICML: 2021 / 2022
- AAAI: 2021/ 2022

CITIZENSHIPS

Canadian
EU

RESEARCH EXPERIENCE

META AI Research Scientist Intern
Supervisor: Amy Zhang, Mikael Henaff, Shagun Sodhani and Roberta Raileanu
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

PUBLICATIONS

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

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

- **Martin Klissarov** and Doina Precup. "Flexible Option Learning", *NeurIPS*, 2021 (Spotlight)

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

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

- **Martin Klissarov**, Riashat Islam, Khimya Khetarpal and Doina Precup. "Variational State Encoding as Insintric Motivation in Reinforcement Learning", *RLDM* , 2019

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

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

AWARDS

May 2020	NSERC Alexander Graham Bell Scholarship	(35000$/y)
May 2018	McGill Graduate Excellence Scholarship	(4000$/y)
May 2018	FRQNT Masters Degree in Natural Science Scholarship	(17500$/y)
June 2017	IVADO Undergraduate Research Scholarship	(5000$)
February 2017	Ordre des Ingénieurs Foundation Excellence Scholarship	(3000$)
May 2016	NSERC Undergraduate Student Research Award (USRA)	(8000$)
March 2015	J.W. McConnell Family Excellence Scholarship	(5000$)