

# Martin Klissarov

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## 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: SHAGUN SODHANI

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*, 2022
- **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 Intrinsic 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\$)