

# Martin Klissarov

<https://mklissa.github.io> | Google Scholar | [martin.klissarov@mail.mcgill.ca](mailto: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 - 2017

Cum. GPA: 3.9 / 4.0

## ACADEMIC SERVICE

### CONFERENCE REVIEWER

- NeurIPS : [ 2020, 2021 (*Outstanding Reviewer*) | 2022 (*Top reviewer*) | 2023 ]
- ICLR : [ 2022 (*Highlighted Reviewer*) | 2023 | 2024 ]
- ICML : [ 2021 | 2022 | 2023 | 2024 ]
- AAAI : [ 2020 | 2021 | 2022 ]
- CoLLAs : [ 2022 ]

### CONFERENCE ORGANIZER

- CoLLAs : [ 2022 ]

## SKILLS

### SOFTWARE

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

### LANGUAGES

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

## CITIZENSHIPS

Canadian  
Bulgarian (EU)

## RESEARCH EXPERIENCE

### META AI RESEARCH SCIENTIST INTERN

SUPERVISORS: SHAGUN SODHANI, 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

## PUBLICATIONS

- ◇ 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, *arXiv*, 2023
- ◇ 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 Fakoore, 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
- ◇ Variational State Encoding as Insintric Motivation in RL  
**Martin Klissarov**, Riashat Islam, Khimya Khetarpal and Doina Precup, *RLDM*, 2019
- ◇ 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        |
| June 2017     | IVADO Undergraduate Research Scholarship                   |
| February 2017 | OIQ Ordre des Ingénieurs Foundation Excellence Scholarship |
| May 2016      | NSERC Undergraduate Student Research Award                 |