

# Martin Klissarov

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## EDUCATION

### MCGILL UNIVERSITY

#### PHD IN COMPUTER SCIENCE

2020 - now

Supervisor: Dr. Doina Precup

Cum. GPA: 4.0 / 4.0

#### MSC IN COMPUTER SCIENCE

2018 - 2020

Supervisor: Dr. 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

Machine Learning

### UNDERGRADUATE

Algorithms and Data Structures

Object-Oriented Programming

Probability and Statistics

Linear Algebra

Signal Processing

## SKILLS

### SOFTWARE

TensorFlow • PyTorch • Theano •

MXNet • Numpy • Python •

MATLAB • Bash • C++ • Java

## LANGUAGES

English      Fluent

French      Fluent

Bulgarian      Native

Mandarin      Intermediate

## CITIZENSHIPS

Canadian

EU

## RESEARCH EXPERIENCE

### AMAZON AWS APPLIED SCIENTIST INTERN

SUPERVISOR: ALEX SMOLA

Sep 2021 - Dec 2021

### MICROSOFT RESEARCH MONTREAL RESEARCH INTERN

SUPERVISOR: MEHDI FATEMI

March 2021 - May 2021

## PUBLICATIONS

- **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
- **Martin Klissarov** and Doina Precup. "Diffusion-based Approximate Value Functions", *ICML Workshop on Efficient Credit Assignment* (**Oral**), 2018
- 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

## ACADEMIC SERVICE

Conference Reviewer:

- NeurIPS: 2020 / 2021
- ICML: 2021
- AAAI: 2021/ 2022
- ICLR: 2022

## 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\$)