Ayoub El Hanchi

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https://aelhanchi.github.io/

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Education

McGill University   Montreal, QC

M.Sc. Mathematics and Statistics   *May 2019 - December 2020 (Expected)*

+ GPA: 4.0/4.0
+ Supervisor: Prof. David Stephens.
+ Thesis Track.
+ Relevant coursework:

  – Applied Machine Learning

  – Reinforcement Learning

  – Probabilistic Graphical Models

  – Mathematical Foundations of Machine Learning

McGill University   Montreal, QC

B.Sc. Joint Honours Mathematics and Computer Science   *September 2016 - April 2019*

+ GPA: 3.86/4.0.
+ First class Honours.

Publications

Adaptive Importance Sampling for Finite-Sum Optimization and Sampling with Decreasing Step-Sizes.
Ayoub El Hanchi, David A. Stephens
(To appear in) Advances in Neural Information Processing Systems (NeurIPS), 2020

Software

Torchvr.
A PyTorch library providing PyTorch modules and samplers that produce efficient gradient estimators
to accelerate training of large scale deep learning models. Supports both control-variate and
importance-sampling methods.

Skills

Languages: English, French

Programming Languages: Python, C++

Deep learning frameworks: PyTorch

Other Tools: pybind11, Git

Awards

Science Undergraduate Research Award   *May 2018*
Faculty of Science, McGill University