

## Education

**University of Toronto**  
*Ph.D. Computer Science*

Toronto, ON  
*September 2021 -*

- Supervisors: Prof. Chris Maddison and Prof. Murat Erdogdu.

**McGill University**  
*M.Sc. Mathematics and Statistics*

Montreal, QC  
*May 2019 - April 2021*

- Supervisor: Prof. David Stephens.
- Thesis: Large Scale Optimization and Sampling for Machine Learning and Statistics.

**McGill University**  
*B.Sc. Joint Honours Mathematics and Computer Science*

Montreal, QC  
*September 2016 - April 2019*

- GPA: 3.86/4.0.
- Graduated with First Class Honours.

## Conference Publications

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

## Preprints & Working Papers

Stochastic Reweighted Gradient Descent.  
**Ayoub El Hanchi**, Chris Maddison, David Stephens  
*Preprint, available on Arxiv.*

Stopping Criteria and Automatic Annealing for Finite-Sum Optimization and Sampling.  
**Ayoub El Hanchi**, Murat Erdogdu, Chris Maddison  
*Working paper*

## Awards & Fellowships

Ontario Graduate Scholarship	2021
Departmental Entrance Scholarship	2021
Science Undergraduate Research Award	2018

## Community Service

Reviewer for ICML 2021, NeurIPS 2021, AISTATS 2022.