Mufan (Bill) Li

https://mufan-li.github.io/about/

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DEGREES

University of Toronto
Ph.D. Statistics   Sept 2017 – Expected 2021
M.Sc. Statistics - GPA: 3.96   June 2016
B.A.Sc. Engineering Science - GPA: 3.66   June 2015

AWARDS

Ontario Graduate Scholarship   September 2019
University of Toronto

MITACS Accelerate Fellowship   August 2018
with Borealis AI

Faculty of Applied Science and Engineering Undergraduate Summer Research Fellowship
May 2012

with Professor Birsen Donmez

RESEARCH ARTICLES

Uniform Stability and High Order Approximation of the SGLD in Non-Convex Learning
June 2019

Workshop on Understanding and Improving Generalization in Deep Learning (ICML)

RESEARCH PROJECTS

An Escape Time Analysis of SGD   December 2018
Integration of Deep Learning Theories Workshop (NeurIPS)

Collaborative Filtering Approach to Understanding Student GPA   July 2015 - April 2016
M.Sc. Research Course - Supervisor: Professor Jeffrey Rosenthal

Numerical Methods for PDEs   Jan 2014 - August 2015
B.A.Sc. Thesis - Supervisor: Professor Christina Christara

RESEARCH TALKS

Uniform Stability and High Order Approximation of the Langevin Algorithm in Non-Convex Learning   April 2019
Statistics Graduate Student Research Day

WORK EXPERIENCE

Borealis AI August 2018 - Present
Machine Learning Research Intern *Toronto, ON*

Supported by the MITACS Accelerate Fellowship.

Ontario Teachers' Pension Plan July 2016 - July 2017
Investment Analyst, Global Credit Products *Toronto, ON*

RBC Capital Markets May 2013 - August 2014
Intern, Electronic and Algorithmic Trading *Toronto, ON*

TEACHING

ESC103 Engineering Mathematics and Computation Fall 2017, 2018, 2019
with Professor William Cluett *Toronto, ON*

STA286 Engineering Probability and Statistics Winter 2018
with Professor Mark Ebden and Professor Deepa Kundur *Toronto, ON*

STA410 Computational Statistics Fall 2017
with Professor Keith Knight *Toronto, ON*

STA220 The Practice of Statistics Summer 2016

STA248 Statistics for Computer Science Winter 2016
with Professor Shivon Sue-Chee *Toronto, ON*

STA261 Probability and Statistics II Winter 2016
with Professor Shivon Sue-Chee *Toronto, ON*

STA304 Survey, Sampling, and Observational Data Winter 2016
with Neil Montgomery *Toronto, ON*

STA247 Probability with Computer Applications Winter 2016
with Luai Al Labadi *Toronto, ON*