Blair Laurence Bilodeau

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M5J 0B1

EDUCATION

PhD. Statistics. University of Toronto Sept 2018 - Present

Supervisor: Dr. Daniel Roy

Honours BSc, Financial Modelling, University of Western Ontario Sept 2014 – Apr 2018

GPA: 3.97 / 4.00

RESEARCH GRANTS

NSERC Alexander Graham Bell Canada Graduate Scholarship – Doctoral: \$105,000	2019 - 2022
NSERC Alexander Graham Bell Canada Graduate Scholarship – Master's: \$17,500	2018 - 2019
Queen Elizabeth II Graduate Scholarship in Science and Technology: \$15,000 (Declined)	2018 - 2019
NSERC Undergraduate Student Research Award: \$4,500	2018
NSERC Undergraduate Student Research Award: \$4,500	2017

RESEARCH POSITIONS

Doctoral Researcher, University of Toronto & Vector Institute

Jan 2019 – Present

Supervisor: Dr. Daniel Roy

• Studying generalization guarantees for sequential prediction. Current project focuses on non-Lipschitz loss, data-dependent regret bounds, and dimension-free results.

Undergraduate Researcher, University of Western Ontario

May - Aug 2018

Supervisor: Dr. David Stanford

• Studied the recently introduced Delayed Accumulating Priority Queue. Derived the average waiting time for high priority customers in this regime and an approximation method for the waiting time distribution.

Undergraduate Researcher, University of Western Ontario

May - Aug 2017

Supervisor: Dr. David Stanford

• Developed a Python simulation model of the internal medicine ward at London's University Hospital to study physician-nurse collaboration efficiency, and proposed two novel changes which are to be implemented in a trial by the hospital.

RESEARCH VISITS

Institute for Advanced Study, Princeton, New Jersey

Jan - Mar 2020

Program: Special Year on Optimization, Statistics, and Machine Learning

Simons Institute for Theoretical Computing, University of California, Berkeley

July 2019

Program: Foundations of Deep Learning

PREPRINTS

2. B. Bilodeau, D.A. Stanford. (2019). The average waiting time for both classes in a delayed Accumulating Priority Queue.

REFEREED PUBLICATIONS

1. B. Bilodeau, D.A. Stanford, M. Goldszmidt, A. Appleton. (2019). Simulated co-location of patients admitted to an inpatient internal medicine teaching unit: Potential impacts on efficiency and physician-nurse collaboration. INFOR: Information Systems and Operational Research.

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CONFERENCE PRESENTATIONS

Aug 2019 al. June 2019 Oral. May 2019
Aug 2018 July 2018
May – Aug 2016
May – Aug 2015
Sept 2010 – Apr 2017
Fall 2019 Summer 2019
Fall 2019 Winter 2019 Winter 2019 Fall 2018 Fall 2018
2018
2017 2017 2014 – 2018
Sept 2019 – Aug 2020

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