Blair Laurence Bilodeau

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EDUCATIO	N	
	of Toronto, PhD, Statistics of. Daniel Roy	Sept 2018 – Present
Western Un GPA: 3.97 /	niversity , Honours BSc, Financial Modelling 4.00	Sept 2014 – Apr 2018
RESEARCH	GRANTS	
NSERC Ale NSERC Ale Queen Eliza NSERC Un	chael Smith Foreign Study Supplement: \$6,000 exander Graham Bell Canada Graduate Scholarship – Doctoral: \$105,0 exander Graham Bell Canada Graduate Scholarship – Master's: \$17,50 abeth II Graduate Scholarship in Science and Technology: \$15,000 (Dedergraduate Student Research Award: \$4,500 dergraduate Student Research Award: \$4,500	0 2018 - 2019
Honours	AND AWARDS	
New York A E.F. Burton Robert and Borwein Mo	of Statistical Sciences Student Ambassador Award Academy of Sciences ML Symposium Best Poster Award and F.W. Burton Graduate Scholarship Ruth Lumsden Scholarships in Science emorial Prize for top grade in Analysis I iversity Continuing Admission Scholarship	2020 2020 2018 2017 2017 2014 – 2018
EMPLOYME	ENT EXPERIENCE	
Graduate R Studying 1	itute, Toronto, Ontario esearcher, Advised by Prof. Daniel Roy regret bounds for sequential prediction. Current projects focus on non- dependent regret bounds, and dimension-free results.	Jan 2019 – Present Lipschitz
Undergradi Provided t	niversity, London, Ontario nate Researcher, Advised by Prof. David Stanford the first characterization of the effect on high priority customers from in riod for low priority customers in the M/G/1 accumulating priority que	•
Developed	nate Researcher, Advised by Prof. David Stanford l a Python simulation model of the internal medicine ward at London's o study physician-nurse collaboration efficiency.	May – Aug 2017 University
	fe Insurance, London, Ontario ch Intern, Wealth Management	May – Aug 2016
	a, London, Ontario st Intern, Access Network	May – Aug 2015
RESEARCH	Visits	
	r Advanced Study, Princeton, New Jersey pecial Year on Optimization, Statistics, and Machine Learning	Jan – Mar 2020
Simons Ins	titute for Theoretical Computing, University of California, Berkeley oundations of Deep Learning	July 2019

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PREPRINTS *lead author; **equal contribution

[4] B. Bilodeau**, J. Negrea**, D. M. Roy. (2020). **Relaxing the i.i.d. assumption: Adaptive minimax optimal sequential prediction with expert advice.** *arXiv:2007.06552*.

[3] B. Bilodeau*, D. A. Stanford. (2020). Average waiting times in the two-class M/G/1 delayed accumulating priority queue. arXiv:2001.06054.

REFEREED PUBLICATIONS

- [2] B. Bilodeau*, D. J. Foster, D. M. Roy. (2020). **Tight bounds on minimax regret under logarithmic loss via self-concordance.** *International Conference on Machine Learning*.
- [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*.

INVITED TALKS

Workshop on efficient literature reviews using Python.

Canadian Statistics Student Conference, Virtual.

May 2020

CONTRIBUTED TALKS

Tight bounds on minimax regret under logarithmic loss via self-concordance.

American Statistical Association Joint Statistical Meetings, Virtual. Poster.	Aug 2020
New York Academy of Sciences ML Symposium, Virtual. Poster.	Mar 2020

Average waiting times in the two-class M/G/1 delayed accumulating priority queue.

Canadian Queueing Conference, Toronto, Ontario. Oral.	Aug 2019
Southwestern Ontario Graduate Math and Stats Conference, Guelph, Ontario. Oral.	June 2019
Canadian Operational Research Society Annual Meeting, Saskatoon, Saskatchewan. Oral.	May 2019

Simulated co-location of patients admitted to an inpatient internal medicine teaching unit.

Simulated co-location of patients admitted to an inpatient internal medicine teaching unit.		
Canadian Queueing Conference, Edmonton, Alberta. Oral.	Aug 2018	
EURO Operational Research Applied to Health Services Annual Meeting, Oslo, Norway. Oral.	July 2018	

TEACHING EXPERIENCE

University of Toronto

Course	Instructor

STA347: Probability Theory	Summer 2020

Head Teaching Assistant

STA442: Methods of Applied Statistics	Fall 2019
STA261: Probability and Statistics II	Summer 2019

Teaching Assistant

STA257: Probability and Statistics I	Fall 2019
STA457: Time Series Analysis	Winter 2019
STA355: Theory of Statistical Practice	Winter 2019
STA347: Probability Theory	Fall 2018
ACT230: Mathematics of Finance for Non-Actuaries	Fall 2018

VOLUNTEER POSITIONS

Statistics Graduate Student Association, University of Toronto

Treasurer Sept 2019 – Present

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