Blair Laurence Bilodeau

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EDUCATIO)N	
	of Toronto, PhD, Statistics aniel Roy; Committee: Nancy Reid, Ting-Kam Leonard Wong	Sept 2018 – Present
Western Un GPA: 3.97	niversity, Honours BSc, Financial Modelling / 4.00	Sept 2014 – Apr 2018
RESEARCE	H GRANTS	
NSERC Ald NSERC Ald Queen Eliza NSERC Un	chael Smith Foreign Study Supplement: \$6,000 exander Graham Bell Canada Graduate Scholarship – Doctoral: \$105,000 exander Graham Bell Canada Graduate Scholarship – Master's: \$17,500 abeth II Graduate Scholarship in Science and Technology: \$15,000 (Declined) adergraduate Student Research Award: \$4,500 adergraduate Student Research Award: \$4,500	2020 2019 - 2022 2018 - 2019 2018 - 2019 2018 2017
Honours	AND AWARDS	
New York A E. F. Burton Robert and Borwein M	t of Statistical Sciences Student Ambassador Award Academy of Sciences Machine Learning Symposium Best Poster Award and F. W. Burton Graduate Scholarship Ruth Lumsden Scholarships in Science emorial Prize for top grade in Analysis I niversity Continuing Admission Scholarship	2020 2020 2018 2017 2017 2014 – 2018
EMPLOYM	ENT EXPERIENCE	
Graduate R Studying	titute, Toronto, Ontario esearcher, Advised by Daniel Roy regret bounds for sequential prediction. Current projects focus on non-Lipschitz dependent regret bounds, and dimension-free results.	Jan 2019 – Present
Undergradu Provided	niversity, London, Ontario nate Researcher, Advised by David Stanford the first characterization of the effect on high priority customers from introducing priority customers in the M/G/1 accumulating priority queue.	May – Aug 2018 ng
Develope	nate Researcher, Advised by David Stanford d a Python simulation model of the internal medicine ward at London's Univers o study physician-nurse collaboration efficiency.	May – Aug 2017 ity
	fe Insurance, London, Ontario rch Intern, Wealth Management	May – Aug 2016
	la, London, Ontario st Intern, Access Network	May – Aug 2015
RESEARCI	H VISITS	
Institute fo	or Advanced Study, Princeton, New Jersey pecial Year on Optimization, Statistics, and Machine Learning	Jan – Mar 2020
Simons Ins	stitute for Theoretical Computing, University of California, Berkeley coundations 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
Tight bounds on minimax regret under logarithmic loss via self-concordance	
Institute for Advanced Study Special Year Seminar, Princeton, New Jersey.	Mar 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 Machine Learning 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 un	nit
Canadian Queueing Conference, Edmonton, Alberta. Oral.	Aug 2018
EURO Operational Research Applied to Health Services Annual Meeting, Oslo, Norway. Ora	al. 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	
Various undergraduate statistics courses	Fall 2018 – Present
SERVICE	

Reviewing

ALT 2021

Statistics Graduate Student Association, University of Toronto

Treasurer Sept 2019 - Present

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