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Benjamin Côté

b3cote@uwaterloo.ca
Linkedin Scholar Personal website

GRADUATE STUDIES

Ph. D. in Actuarial Science 2024 to ------
University of Waterloo. Advisors: Prof. Ruodu Wang and Prof. Alexander Schied

M. Sc. in Actuarial Science 2022 to 2024
Université Laval. Advisors: Prof. Etienne Marceau and Prof. Hélène Cossette.

UNDERGRADUATE STUDIES

Microprogram in Greek Studies 2022 to 2023
Université Laval

B. Sc. in Actuarial Science 2019 to 2022
Université Laval

Sciences, lettres et arts *(Sciences, Literature and Arts integrated program)* 2017 to 2019
Cégep de Sainte-Foy

PROFESSIONAL TITLES

Associate of the Canadian Institute of Actuaries (**ACIA**) 2025

PUBLICATIONS

Côté, B., Cossette, H. and Marceau, E. (2025) Tree-structured Markov random fields with Poisson marginal distributions. *Journal of Multivariate Analysis*, **207**, 105418.

PRESENTATIONS

(2024) Centrality and topology properties in a tree-structured Markov random field. Montreal-Guanajuato Workshop on Probability and Machine Learning. Guanajuato City, Guanajuato, Mexico. (Joint work with Hélène Cossette and Etienne Marceau.)

(2024) Centrality and topology properties in a tree-structured Markov random field. Waterloo Student Conference in Statistics, Actuarial Science and Finance. Waterloo, ON. (Joint work with Hélène Cossette and Etienne Marceau.)

(2024) Tree-based Markov random fields with Poisson marginal distributions. Insurance : Mathematics and Economics Conference, Chicago, IL. (Joint work with Hélène Cossette and Etienne Marceau.)

(2024) Tree-based Markov random fields with Poisson marginal distributions. Quantact Day. Montréal, QC. (Joint work with Hélène Cossette and Etienne Marceau.)

(2023) Risk models defined on a family of tree-based Markov random fields with Poisson marginals. Waterloo Student Conference in Statistics, Actuarial Science and Finance. Waterloo, ON. (Joint work with Hélène Cossette and Etienne Marceau.)

(2023) Risk models defined on a family of tree-based Markov random fields with Poisson marginals. Actuarial Research Conference. Des Moines, IA. (Joint work with Hélène Cossette and Etienne Marceau.)

(2023) Modèles de risques définis sur une famille de champs aléatoires markoviens arborescents avec marginales Poisson. Séminaire d'été étudiant du Centre Interdisciplinaire de Modélisation Mathématique de l'Université Laval. Québec, QC. (Joint work with Hélène Cossette and Etienne Marceau.)

PEER-REVIEW SERVICE - Total : 2 research papers

Mathematics of Operation Research	since 2025
ASTIN Bulletin	since 2024

TEACHING ASSISTANCE

ACTSC-625 : Casualty & Health Insurance Mathematics	2025
ACTSC-624 : Stochastic Processes for Actuarial Science	2025
ACTSC-231 : Introductory Financial Mathematics	2024
MTHEL-131 : Introduction to Actuarial Practice	2024
ACT-3000 : Risk Theory	2022
ACT-2001 : Introduction to Actuarial Science II	2022
ACT-2005 : Non-Life Mathematics I	2021
ACT-1003 : Complements of Mathematics	2020 and 2021

SCHOLARSHIPS AND AWARDS

Russell Hiscock Graduate Scholarship in Statistics and Actuarial Science	2025
NSERC Postgraduate Scholarships – Doctoral	2024 to 2027
Bourse de formation au doctorat – FRQNT (declined)	2024 to 2028
David A. Sprott Entrance Scholarship	2024
Canada Graduate Scholarships – Master's Program - NSERC	2023-2024
FRQNT Master's Training Scholarships - FRQNT	2023-2024
Quantact Scholarship	2022

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Scholarship from the Chair of Actuarial Science of Université Laval	2022 and 2023
Intact Actuarial Science Scholarship	2021 and 2022
Morneau-Shepell Scholarship	2020
Governor General's Academic Medal – Bronze special	2019
Admission Scholarship in Actuarial Science	2019
Award of Excellence in Sciences, lettres et arts	2019
Clarisse-Tremblay Award in Literature	2019
Gaston-J.-Beaudoin Scholarship	2018
Lieutenant Governor's Youth Medal	2017
Lise-Leclerc Award	2017

WORK EXPERIENCE IN ACTUARIAL FIELDS

Research Assistant — 2023 to 2024
Université Laval
under the supervision of Pr. H. Cossette and of Pr. E. Marceau

Analyst in Actuarial Science — 2022
iA Financial Group

Intern — 2020 to 2022
iA Financial Group

OTHER WORK EXPERIENCE

Manager — 2021 to 2023
Cineplex Odeon Beauport

Cast and Team Leader — 2017 to 2021
Cineplex Odeon Beauport

SCRABBLE

Competitive player at the Scrabble club *Le mot passant* — 2010 to 2024
Affiliated to Fédération québécoise des clubs de Scrabble francophone (FQCSF)

Participation to the World Championships of Scrabble in French — 2012, 2013, 2014, 2015, 2017 and 2018
Élite, *Blitz*, *Paires* and *Défi des Jeunes* categories.

Quebec National Scrabble Champion – Junior category	2016
Quebec National Scrabble Champion – Cadet category	2013 to 2014

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SOCIAL IMPLICATIONS

Member on the program comity of Sciences, lettres et arts 2022 to 2024
Cégep de Sainte-Foy