

BRANDON TAM

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EDUCATION

University of Toronto

PhD Student, Department of Statistical Sciences

Supervisor: Dr. Silvana Pesenti

September 2023–Present

University of Toronto

Honours Bachelor of Science

GPA: 3.98 on a 4-point scale

Programs of Study: Actuarial Science Specialist, Statistics Major, Mathematics Minor

September 2019–June 2023

PUBLICATIONS

Preprints

Tam, B., Pesenti, S. M. (2025). Dimension Reduction of Distributionally Robust Optimization Problems. arXiv preprint arXiv:2504.06381.

CONTRIBUTED TALKS

60th Actuarial Research Conference, Toronto, Canada

July 2025

Optimal Transport Summer School, Santa Barbara, United States of America

July 2025

2025 Statistical Society of Canada Annual Meeting, Saskatoon, Canada

May 2025

2025 Statistics Graduate Student Research Day, Toronto, Canada

April 2025

2nd Mathematical Finance Research Retreat, Niagara on the Lake, Canada

March 2025

SCHOLARSHIPS AND AWARDS

Scholarships - Government of Ontario

Ontario Graduate Scholarship, \$15000.00

2025-2026

Scholarships - University of Toronto

Doctoral Recruitment Award, \$5000.00

2023

Conrad M Siegal FSA Award in Actuarial Science, \$6000.00

2022, 2024

Samuel Beatty In Course Scholarship, \$1000.00

2022

Hewitt Associates Scholarship in Actuarial Science, \$1536.02

2021, 2022

Presentation Awards and Grants

Statistical Society of Canada Student Travel Grant, \$250.00

2025

Awards - University of Toronto

Dean's List Scholar, University of Toronto

2020, 2021, 2023

RESEARCH ASSISTANTSHIPS

Natural Catastrophes: Are Canadian Insurers Ready for "The Big One"? *Winter 2022*

Studied insurance losses resulting from natural disasters. Responsibilities included data cleaning, creating plots and maps using the R package leaflet and model fitting.

TEACHING ASSISTANTSHIPS

University of Toronto

September 2021–Present

Select Responsibilities: Teaching tutorials, hosting office hours, and grading.

Select Courses: Financial Mathematics (ACT240, ACT245), Life Contingencies (ACT247, ACT348), Probability and Statistics 1 (STA257), Calculus (MAT135, MAT136), and Linear Algebra (MAT223).

WORK EXPERIENCE

Combined Insurance

May 2022–August 2022

Actuarial Summer Intern

Select Responsibilities:

- Used AXIS to quantify the reserve impact of changing lapse assumptions.
- Used SQL queries to extract the outputs necessary for analyzing lapse experience and updating lapse assumptions.

SOCIETY OF ACTUARIES PROFESSIONAL EXAMS

Investment and Financial Markets

July 2022

Financial Mathematics

June 2021

Probability

January 2021