

# BRANDON TAM

brandontam.tam@mail.utoronto.ca  $\diamond$  <https://brandon-tam.github.io/>

## EDUCATION

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**University of Toronto** *September 2023–Present*  
PhD Candidate, Department of Statistical Sciences  
*Supervisor:* Dr. Silvana Pesenti

**University of Toronto** *September 2019–June 2023*  
Honours Bachelor of Science  
*GPA:* 3.98 on a 4-point scale  
*Programs of Study:* Actuarial Science Specialist, Statistics Major, Mathematics Minor

## PUBLICATIONS

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### Preprints

**Tam, B.**, Ghossoub, M., Pesenti, S. M. (2026). Dynamic Pareto-Optima in Multi-Period Pure-Exchange Economies. arXiv preprint arXiv:2603.19414.

**Tam, B.**, Pesenti, S. M. (2026). Bounds for Distributionally Robust Optimization Problems. arXiv preprint arXiv:2504.06381.

## CONTRIBUTED PRESENTATIONS

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8th Workshop on Insurance Mathematics, Toronto, Canada (Poster) *March 2026*

2025 Department of Statistical Sciences Research Gala, Toronto, Canada (Poster) *November 2025*

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

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### Scholarships - Government of Ontario

**Ontario Graduate Scholarship**, \$15000.00 *2025-2026*

### Scholarships - University of Toronto

**DoSS Doctoral Early Research Excellence Award**, \$1500.00 *2025*

**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

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**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

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**University of Toronto**

*September 2021–Present*

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

Select Courses: Financial Mathematics (ACT240, ACT245, ACT370), Life Contingencies (ACT247, ACT348), Probability and Statistics 1 (STA257), Calculus (MAT135, MAT136), and Linear Algebra (MAT223).

## WORK EXPERIENCE

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**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

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**Investment and Financial Markets**

*July 2022*

**Financial Mathematics**

*June 2021*

**Probability**

*January 2021*