

# Mike Liang

## Personal Information

---

Date of birth: January 18, 2006  
Pronouns: He/him  
Nationality: Canada  
Street address: 45 Mann Residence  
45 Mann Avenue  
Ottawa, Ontario K1N 6N5  
E-mail: [mlian031@uottawa.ca](mailto:mlian031@uottawa.ca)  
Websites: [Github](#), [Personal homepage](#)  
Languages: English, French, Cantonese, Mandarin

## Education

---

Honours B.Sc. Mathematics & Economics (French Immersion, Co-op) 2024–2028  
University of Ottawa, Department of Mathematics and Statistics  
Ottawa, ON, Canada

## Employment

---

Research Assistant 2024–Present  
University of Ottawa, Department of Mathematics and Statistics, Ottawa, ON, Canada  
Supervised by Dr. François-Michel Boire

## Research

---

### Work in progress:

- Boire, François-Michel, and Liang, Mike. “Canadian Housing Observatory: Detecting and Monitoring Real-Estate Bubbles” ([code repository](#))

## Seminar Presentations

---

- University of Ottawa, Fields Institute Undergraduate Summer Research Program, June, 2024, Ottawa, Canada: “Variance reduction via change-of-measure in Monte Carlo simulations for option pricing”

## Awards

---

Undergraduate Research Scholarship (CAD 6,500), University of Ottawa, Faculty of Science 2025  
Undergraduate Research Scholarship (CAD 5,000), University of Ottawa, Faculty of Science 2024  
Admission Scholarship (CAD 3,000), University of Ottawa 2024  
Dean’s Honours List, University of Ottawa 2024, 2025

## Technical Skills

---

Languages: Python, R, C++, Typescript,  $\LaTeX$   
Frameworks: NumPy, SciPy, PyTorch, Pandas, Tidyverse  
Tools: Git, Github Actions, Docker, SSH  
Environments: Linux (Ubuntu/Debian/Fedora), Jupyter, RStudio, VSCode, Vim

## **Community Involvement**

---

Community Coordinator, uOttaHack	Sep. 2025–Jan. 2026
Owned community programming for Canada’s Capital Hackathon (1000+ attendees), including workshop planning and speaker outreach.	Ottawa, ON, Canada
Volunteer, Toronto International Dragon Boat Festival	June 2023
Event logistics volunteer.	Toronto, ON, Canada

## **Other**

---

OFSAA Provincial Championships, Top 20 Finalist in 200m Men’s Medley Relay	Mar. 2024
Advanced Topics in Derivative Pricing, Columbia University (Coursera Certificate)	Aug. 2024