

RICKY TRUONG

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EDUCATION

Harvard University | Cambridge, MA

Sep. 2023 – May 2027

Bachelor of Arts in Statistics & Mathematics, Data Science Track

- Coursework: Causal Inference, Linear Models, Probability, Data Science, Proofs, Linear Algebra, Multivariable Calculus
- Activities: Peer Concentration Advisor, Open Data Project, Math Club, Running Club, Phillips Brooks House Volunteering

EXPERIENCE

Incoming Actuarial Intern/Co-op | Manulife Financial Corporation

Starting Jan. 2026

Researcher in Biostatistics & Causal Inference | National Studies for Air Pollution & Health

Apr. 2025 – Present

- Work with Dr. Francesca Dominici to study effects of air quality regulation on climate using available spatiotemporal data
- Develop and apply methods in causal inference after finding, visualizing, aggregating, and cleaning data on CO2 emissions

Teaching Fellow for Introductory Statistics | Department of Statistics

May 2024 – Present

- Lead weekly section and office hours, engaging 25+ students while explaining important concepts in statistics and coding
- Rated 5/5 (“Excellent”) by majority of respondents in student reviews and received multiple awards for performance in roles

Researcher in Generative AI | Harvard Graduate School of Education

May 2024 – Sep. 2024

- Worked with Prof. Sebastian Munoz-Najar Galvez on his project “Writing for College Admissions with AI Assistance”
- Analyzed responses of large language models quantitatively and qualitatively to determine important patterns and key words

LEADERSHIP

President | Group for Undergraduates in Statistics at Harvard

Apr. 2025 – Present

- Plan weekly meetings and events for Harvard’s largest statistics-related student organization (600+ members, 10+ officers)
- Oversee efforts to build community for students and staff by implementing events in collaboration with Statistics Department

Run Leader | Harvard on the Move

Apr. 2025 – Present

- Organize, manage, and participate in runs every Sunday for Harvard’s largest movement-based organization (100+ members)
- Meet with team to brainstorm and implement ideas to improve member experience and promote health and fitness on campus

PROJECTS

Climate Benefits of Air Quality Regulation | github.com/NSAPH-Projects/causal-inference-co2

Aug. 2025

- Estimated effect of PM2.5 standard on CO2 emissions at the national and county levels (30+ years, 220,000+ block groups)
- Implemented bootstrap-based inference to assess uncertainty and identify counties with statistically significant policy effects

STAT 100 Teaching Material | rickytruong.com/teaching

Jan. 2025

- Developed supplemental guides to help teach introductory statistics in the form of slides and documents on personal website
- Explained statistical concepts like sampling, hypothesis tests, and regression using intuitive visuals and real-world examples

Skills: Python, R, Java, HTML, CSS, JavaScript, SQL, LaTeX, Git, GitHub, Microsoft Excel

AWARDS

Award for Outstanding Teaching | Harvard Undergraduate Association

Dec. 2024

John Harvard Scholar: Top 5% of Class | Harvard University

Oct. 2024

Mayor’s Award | City of Manchester

Jun. 2023

QuestBridge Scholar | QuestBridge

Oct. 2022