

Tiffany Yong

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EDUCATION

McGill University

September 2020 – April 2024

Bachelor of Arts in Honours Economics, Majors Mathematics (GPA: 3.99/4.00)

Relevant Courses: *Microeconomic Theory 3 (PhD), Climate and Household Finance (PhD, audited at NYU Stern), Honours Analysis 1 & 2, Game Theory (MA), Causal Inference (MA), Honours Probability, Honours Statistics, Applied Machine Learning (MA), Honours Vector Calculus, Econometrics II - Honours, Algorithmic Game Theory (MA)*

WORKING PAPERS

“Climate Transition Risks and the Energy Sector” with Viral V. Acharya, Stefano Giglio, Stefano Pastore, Johannes Stroebe, and Zhenhao Tan. *Revise & Resubmit, Review of Financial Studies*

“Mechanisms of Contagion in Financial Networks” *Undergraduate Thesis*

Developed and simulated a core-periphery banking network model with fire-sale price effects to quantify relative contagion through portfolio and interbank channels; advised by Prof. Leonie Baumann.

RESEARCH EXPERIENCE

Stern School of Business, New York University *Junior Research Scientist*

September 2024 – Present

↔ Profs. Johannes Stroebe & Theresa Kuchler

“Climate Transition Risks and the Energy Sector” (co-authored)

- Built GPT-based news article classification pipeline to generate *New York Times* transition risk indices; fine-tuned and deployed BERT, StoriesLM, and Llama 4 Scout models on NYU’s HPC for robustness checks
- Obtained a dataset of 200k U.S. oil and gas wells from Enverus and engineered permit-based activity signals to detect firm investment responses to transition risks, used as empirical validation
- Wrote empirical sections and modularised the codebase into a pipeline generating empirical and simulation results

“The Economics of Biodiversity Loss”

- Derived an ecologically grounded biodiversity imbalance measure using species-range data scraped from the Map of Life and fuzzy-matched to taxonomic classifications in TetrapodTraits to reflect uneven ecosystem function loss
- Integrated the final dataset into the empirical workflow and produced exposure maps and regression tables

“Social Capital Around the World”

- Created a crosswalk between EU and ISO administrative regions to harmonise EVS and WVS survey geographies
- Built a geospatial pipeline to estimate raw and effective population density for admin regions from LandScan data

McGill University *Research Assistant*

January 2024 – April 2024

↔ Prof. Hassan Bencheikroun

Conducted literature review on recycling; covering resource dynamics, market structure, and empirical evidence

Institute for Health and Social Policy *Research Assistant*

June 2022 – September 2022

↔ Prof. Christopher Barrington-Leigh, McGill University

Coded website cataloguing collective action problems, formalised theoretical foundations, and authored content

HONORS AND AWARDS

Allen Oliver Fellowship, McGill University - Top Honours Economics Graduate 2024

Great-West Life Scholarship, McGill University 2023

Charles William Snyder Memorial Scholarship, McGill University 2022

Edward C. Wood Entrance Scholarship, McGill University 2020

Dean’s Honour List, McGill University 2021–2024

TEACHING EXPERIENCE

- McGill University** *Course Assistant* January 2024 – March 2024
Graded Honours Analysis 2, taught by Professor Dmitry Jakobson
- Economics Students' Association** *Helpdesk Tutor* September 2021 – April 2024
Tutored students in core economics classes, and gave tutorials and final review sessions with my own lecture notes

PROJECTS

- Notes on Econometrics** [PDF], [Recording]
My final review lecture and notes packet for Professor Saraswata Chaudhuri's *Econometrics I - Honours*
- Notes on Macroeconomics** [PDF], [Recording]
My final review lecture and notes packet for Professor Francisco Alvarez-Cuadrado's *Macroeconomics - Honours*
- COVID-19 Twitter Discourse Analysis** [Report]
Analysed tweet data to understand common topics surrounding COVID-19, and reasons for vaccine hesitancy
- SUMS Notes Bank** [Web], [Code]
Coded a website for students to find and contribute notes for their math classes at McGill University

WORK EXPERIENCE

- Framework Venture Partners** *Junior Analyst* May 2023 – July 2023
Sourced and evaluated 400+ early-stage firms, conducting unit economics, market sizing and competitive analysis
- Front Row Ventures** *Director of Investments, QC* June 2022 – May 2023
Led a student team to deploy a \$5M fund, sourcing 350 student startups and executing \$125K in early-stage investments

EXTRACURRICULARS

- McGill Diversity in Mathematics** *Founding Team, VP Communications* Jun. 2020 – April 2024
Helped found a club to inspire students from all backgrounds to develop their passion for math
- McGill Society of Undergraduate Mathematics Students** *President* May 2021 – April 2022
Led a 14-person council to represent the 1100-strong math community to faculty and administration
- #YouthForDigitalSustainability Project** *Working Group Member* August 2020 – November 2020
Provided policy recommendations to the 2020 UN Internet Governance Forum, under “Greening the Internet” path

SKILLS, ACTIVITIES AND INTERESTS

- Technical Skills:** Python, Stata, L^AT_EX, R, Bash, Matlab, HTML/CSS/Javascript, MS Suite
- Activities:** Provided free tutoring and university mentoring for high school students during the COVID-19 crisis, collaborated with others to code website for COVID-19 Quebec vaccination count tracking, and an *epidemic simulator*
- Languages:** English (native), Mandarin Chinese (intermediate), French (elementary)