

Tiffany Yong

✉ tiffany.yong@mail.mcgill.ca ☎ tiffanyyong.net ⓨ (929) 601-1684

EDUCATION

McGill University

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

September 2020 – April 2024

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 Stroebel, 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 Stroebel & 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 theoretical and empirical sections and modularised the codebase into a pipeline to run empirics and simulations

“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 raster

McGill University *Research Assistant*

January 2024 – April 2024

→ Prof. Hassan Benchekroun

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

HONOURS 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 <i>Course Assistant</i>	January 2024 – March 2024
Graded Honours Analysis 2, taught by Professor Dmitry Jakobson	
Economics Students' Association <i>Helpdesk Tutor</i>	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 Sarawata Chaudhuri's <i>Econometrics I - Honours</i>	
Notes on Macroeconomics [PDF] , [Recording]	
My final review lecture and notes packet for Professor Francisco Alvarez-Cuadrado's <i>Macroeconomics - Honours</i>	
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 <i>Junior Analyst</i>	May 2023 – July 2023
Sourced and evaluated 400+ early-stage firms, conducting unit economics, market sizing and competitive analysis	
Front Row Ventures <i>Director of Investments, QC</i>	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 <i>Founding Team, VP Communications</i>	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 <i>President</i>	May 2021 – April 2022
Led a 14-person council to represent the 1100-strong math community to faculty and administration	

#YouthForDigitalSustainability Project <i>Working Group Member</i>	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 ^A T _E X, R, Bash, Matlab, HTML/CSS/Javascript	
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)	