

# 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 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 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

## 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

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- 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

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- 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

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- 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

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- 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

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- Technical Skills:** Python, Stata, L<sup>A</sup>T<sub>E</sub>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)