

Tiffany Yong

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EDUCATION

McGill University

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

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

September 2020 – April 2024

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) [PDF]

Literature review on financial contagion in the banking network, and novel theoretical model that explains relative risks of different mechanisms of contagion, advised by Prof. Leonie Baumann

RESEARCH EXPERIENCE

Stern School of Business, New York University Junior Research Scientist

September 2024 – Present

→ Profs. Johannes Stroebel, Viral Acharya, Richard Berner & Robert Engle

Climate Transition Risks and the Energy Sector

- Built GPT-based news classification pipeline to generate NYT transition risk indices; fine-tuned BERT, StoriesLM, and deployed Llama 4 Scout 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

- Harmonised EVS and WVS geographies by building a NUTS3 to ISO-3166-2 crosswalk via polygon intersections
- Built geospatial pipeline to compute raw and effective population density for GADM regions from LandScan raster

McGill University Research Assistant

January 2024 – April 2024

→ Prof. Hassan Benchekroun

Conducted review on recycling literature, covering resource dynamics, market structure and entry, and empirical data

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

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

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

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)

Interests: Climate Finance, Empirical Microeconomics, Economic Networks, Game Theory