CHENGHAO XI

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📍 Kingston, Canada 📞 +1 437-971-5905

EDUCATION

Queen's University, Kingston, Canada *September 2024 - Present*
PhD student in Economics

Queen's University, Kingston, Canada *September 2023 - August 2024*
Master student in Economics

University of Toronto (St.George), Toronto, Canada *September 2019 - June 2023*
Honors Bachelor of Science | Double major in Economics and Mathematics, minor in Statistics

RESEARCH INTEREST

Industrial Organization, Labor Economics

WORK EXPERIENCE

Department of Economics, Queen's University, Kingston, Canada
Graduate Research Assistant | Supervisor: Dr. Shilong Sun *January 2025 - Present*
- Write efficient code in Python to clean the data set on Chinese film industry
- Create Descriptive summary tables and graphs using Stata to support the descriptive analysis of Chinese film industry

Graduate Research Assistant | Supervisor: Prof. Karen Ye *May 2024 - August 2024*
- Use Stata and Python to clean the data set on parental belief on early childhood education investment
- Read papers on eliciting objective measure of subjective parental beliefs on child ability and replicate the elicitation process
- Study the use of Aggregated Relational Data (ARD) by replicating social network models in R

Graduate Research Assistant | Supervisor: Prof. Robert Clark *November 2023 - January 2024*
- Use Selenium package in Python to write web crawlers to collect Ontario credit union merger information
- Perform exploratory data analysis (EDA) on the variations of Ontario credit union market structure over time using Python packages such as Pandas, NumPy and Matplotlib
- Read relevant papers and make progress report to supervisor to discuss the potential directions of future research

Graduate Teaching Assistant *September 2023 - Present*
- ECON212 (Fall 2023, Winter 2024): Microeconomics Theory
- ECON452 (Fall 2024): Applied Econometrics
- ECON371 (Winter 2025): Economics of Regulation
- ECON850 (Fall 2025): Econometrics I (First-Year PhD Course)

Bosch (China) Investment Ltd., Shanghai, China *December 2020 - June 2021*
Data Intern, Marketing and Business Coordination Department

ACADEMIC PROJECT

The Effect of the Parental Childcare and Employment Decision on Child's Ability Development
MA Essay (Queen's U)
Supervisor: Professor Christopher Ferrall, Grade: A-
- Partially replicated Bernal (2008) using the Ox programming language
- Simulated 8000 observations and conduct the counterfactual experiment to assess the impact of Quebec Childcare Policy theoretically
- Studied how to implement and solve dynamic programming problems under the supervision of the professor
- Found the impact of the universal childcare policy depends heavily on unobserved heterogeneity of mothers

Effect of Firm Productivity on Decision to Export and Firm-Level Outcome

ECO475: Applied Econometrics II (U of Toronto), Term Paper

Instructor: Professor Ismael Mourifié, Course Grade: A

- Studied how firm-level productivity affects export participation using World Bank Enterprise Survey Data
- Recovered Total Factor of Productivity from the data with fixed effect regression and accounted for endogenous capital input by treating price of the raw materials as an IV in Stata
- Accounted for selection bias in export participation in Stata when estimating the effect of exporting volume on firm-level R&D investment and domestic sales
- Found selection effect in export participation due to high productivity as well as positive impact of exporting volume on domestic sales and R&D investment

SKILLS

Languages:	Mandarin(Native), English(Proficient), French(Fluent, Level B2 certified by DELF)
Programming:	Python, MATLAB, R, Stata, Julia