

Matthew Strathearn

CONTACT INFORMATION	319 Widgeon Way Ottawa, ON K1T0G1	(613) 859-7300 matthew.strathearn@gmail.com mattstrathearn.com
RESEARCH AREAS	Microeconomic theory, game theory, industrial organization, competition policy, price fixing, leniency programs, plea-bargaining, and spatial econometrics.	
SKILLS	Programming (R, Python, Stata, C (learning/elementary)), web scraping, spatial statistics, econometric modeling, economic theory modeling, drafting research papers, conference presentations, and instructing (graduate level) courses.	
EDUCATION	Carleton University , Ottawa, ON Ph.D., Economics, <i>Expected</i> : Fall 2020 <ul style="list-style-type: none">• Status: Full-Time• Thesis: <i>Three Chapters Exploring Themes in Competition and Collusion</i>• Supervisor: Dr. Zhiqi Chen M.A., Economics w/ Concentration in Financial Economics, June 2014 <ul style="list-style-type: none">• Topic: <i>Banking Concentration and Financial Stability: An application of the conditional fixed effects logit model</i>• Advisor: Dr. Lynda Khalaf B.A., Economics w/ Cooperative Education, June 2013	
INDUSTRY EXPERIENCE	Student Researcher , Bank of Canada (Currency Research) Aug 2018 to Present <ul style="list-style-type: none">• Working with spatial econometric models to produce peer reviewed research:<ul style="list-style-type: none">– <i>A Spatial Panel Model of Bank Branches in Canada</i> (published with Heng Chen in 2019)– <i>Effects of Bank Branch Distance on Cash Demand and Withdrawals: Evidence from the Bank of Canada Method of Payment Surveys</i> (with Heng Chen and Marcel-Cristian Voia) Research Analyst , Citizenship and Immigration Canada Jan 2018 to Jan 2019 <ul style="list-style-type: none">• As a member of the research and evaluation branch, I led quantitative research centered around the accessibility of resource centers for new immigrants.<ul style="list-style-type: none">– Collected geospatial data (webscraping in R) on newcomer service centers and mapped this relative to immigrant locations (Canadian Census data).– Developed a distance-based measure of resource accessibility to allow comparison across various spatial locations.– Designed an algorithm to select the optimal distribution of new immigrant service centres within major Canadian cities based on minimizing this distance measure. Regulatory Specialist , Bell Canada Sep 2015 to Dec 2016 <ul style="list-style-type: none">• Built financial models that estimate the per-unit cost of providing wholesale and retail telecommunications services.• Demonstrated to the Canadian Radio-television and Telecommunications Commission (CRTC) that our pricing schemes were consistent with cost based regulations.• A brief stint with the financial engineering team modelling the cost of capital for various services.	

- Automated various internal processes using Visual Basic for Applications (VBA).

VBA Programmer, Agriculture and Agri-food Canada June 2015 to Aug 2015

- I was responsible for the maintenance, debugging, and design of various tools used by the organisation. These tools were programmed using Visual Basic for Applications (VBA).

Internal Auditor, Canadian Food Inspection Agency Sept 2010 to Aug 2013

- Worked on numerous internal process/control audits. Occasionally provided support to the internal financial audit team.

PUBLICATIONS

1. Chen, Heng, and Strathearn, Matthew. *A Spatial Panel Model of Bank Branches in Canada*. *Advances in Econometrics (Volume 42): The Econometrics of Networks*, Fourthcoming

WORKING PAPERS

1. Khan, Hashmat, and Strathearn, Matthew. *Collusion and Antitrust Filings over the Business Cycle*. *Carleton Economic Papers (CEP)*. Department of Economics, December 18, 2018.
2. Chen, Heng, and Strathearn, Matthew. *A Spatial Panel Model of Bank Branches in Canada*.

CONFERENCES

1. Chen, Heng, and Strathearn, Matthew. *A Spatial Panel Model of Bank Branches in Canada*. Poster presented at: 2019 Microeconometrics: Survey Methodology and Data Science. Bank of Canada, September, 2019
2. Strathearn, Matthew, Chen, Zhiqi, and Ross, Thomas W. *Settlements in the Presence of Leniency Programs: Costs and Benefits*. 53rd Annual Conference of the Canadian Economics Association. May, 2019.
3. Chen, Heng, Strathearn, Matthew, and Voia, Marcel-Cristian. *Cash Management and Banking Density*. Poster presented at: 2019 Fellowship Learning Exchange. Bank of Canada, May, 2019
4. Chen, Heng, Strathearn, Matthew, and Voia, Marcel-Cristian. *Cash Management and Banking Density*. Poster presented at: 2018 Retail Payments Workshop. Bank of Canada, October, 2018

AWARDS

Graduate Awards

- Ontario Graduate Scholarship (OGS) 2019-2020
- SSHRC Doctoral Fellowship 2018-2019
- Ontario Graduate Scholarship (OGS) 2018-2019
- CRESSE Fellowship in Competition Policy July 2017
- Ontario Graduate Scholarship (OGS) 2017-2018
- Randall Geehan Memorial Scholarship in Quantitative Economics 2017
- Departmental Teaching Assistant Excellence Award 2015
- Full Graduate Teaching Assistantship 2013-2019
- Carleton Departmental Scholarship 2013-2018
- Domestic Entrance Scholarship (Ph.D) 2013-2014

Undergraduate Awards

- Mathematical Competition in Modelling (MCM) - Honourable Mention 2013
- Deans Honour List 2013
- Deans Honour List 2009

TEACHING EXPERIENCE	Teaching Assistant (Carleton University) <ul style="list-style-type: none"> • Introductory Economics • Producer Theory • Applied Econometrics • Econometrics I • Econometrics II • Microeconomic Theory (Graduate) • Research Methods (Graduate) • Econometric Theory (Graduate) 	2012-Present
	Contract Instructor (Carleton University) <ul style="list-style-type: none"> • Graduate Research Methods (ECON 5029) • Graduate Microeconomic Theory (ECON 5020) • Graduate Industrial Organization I (ECON 5301) 	2019-Present
CITIZENSHIP	<ul style="list-style-type: none"> • Canada • United Kingdom 	
REFERENCES	Available upon request	