

Hammad Shaikh

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Citizenship: Canadian**Research Interests:** Public, Behavioural, Applied Econometrics, and Economics of Education**Teaching Interests:** Public, Education, Econometrics, and Programming for Economists

EDUCATION

PhD in Economics, University of Toronto 2022 (Expected)
Committee: Robert McMillan, Aloysius Siow, and Román Andrés Zárate

MA in Economics (Doctoral Stream), University of Toronto 2015

HBSc in Math and Economics, University of Toronto Mississauga 2014

RESEARCH

Improving Online Learning Through Course Design: A Microeconomic Approach
(Job Market Paper)

Provision of Online Public Goods: Evidence From a Peer Discussion Board

Information Disclosure and Advanced Course Selection: A Field Experiment Involving High Achieving Freshmen Students, with Robert McMillan and Linda Wang

Understanding Gender Gaps in STEM, with Robert McMillan and Linda Wang

AWARDS AND GRANTS

Excellence in Teaching by a Economics Teaching Assistant	2020
Ontario Graduate Scholarship (\$15,000 \times 2)	2019 - 2020
University of Toronto Doctoral Fellowship (\$12,000 \times 5)	2015 - 2019

TEACHING AND RESEARCH ASSISTANT EXPERIENCE

Course Instructor, University of Toronto Mississauga

2017

- ECO411: Human Capital and Education in the Economy
 - Student Evaluation (n = 16): mean = 4.6/5 and median = 5/5
 - * Scale: 1 = Poor and 5 = Excellent

Teaching Assistant (Economics/Math/Computer Science)

2012 - present

- MAT133/134/1345: Calculus I (x4)
 - Nominated for U of T Teaching Excellence Award in 2013
- ECO220: Quantitative Methods in Economics (x8)
- ECO375: Applied Econometrics (x2)
- ECO502: Matlab and Stata Programming TA (x3)
- ECO1001: UTM Graduate Help Desk (x6)
- MAT102: Introduction to Mathematical Proofs
- MAT236: Calculus III
- MAT232: Linear Algebra
- CSC108: Introduction to Python Programming (x2)
- CSC2558: Designing Intelligent Self-Improving Systems

Research Assistant, University of Toronto

2014 - Present

- Project: Affirmative Action and Student Effort
 - Task: Empirical analysis in Stata
 - Supervisor: Dr. Natalie Bau
- Project: Incentive Design in Education: An Empirical Analysis
 - Task: Structural estimation in Matlab
 - Supervisor: Dr. Robert McMillan
- Project: A New Method for Computing Teacher Value Added
 - Task: Empirical analysis in Stata and simulations in R.
 - Supervisor: Dr. Jiaying Gu

CONFERENCE AND SEMINAR PRESENTATIONS

Empirical Microeconomics, University of Toronto

Oct 2021

Graduate Students in Economics of Education Zoom Seminars, Online

March 2021

Educational Data Mining, Montreal

July 2019

ACADEMIC SERVICE

Departmental Chair Search Committee, Mississauga

2020

Graduate Student Mentor, Toronto

2017 - 2020

Board Games Event Coordinator, Graduate Economics Union

2016 - 2019

LANGUAGES

English (fluent), and Urdu (fluent)

Programming: Python, MATLAB, Stata, R, L^AT_EX, and Java Script

- Open source programming projects: <https://github.com/hammadshaikhha>

REFERENCES

Robert McMillan
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