

Peter Shum

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Education

Duke University

PH.D. IN ECONOMICS

- Committee Members: Attila Ambrus, Rachel Kranton, Curtis Taylor, David McAdams

Durham, NC

Aug. 2019 - Present

London School of Economics and Political Sciences

MSC ECONOMICS

- Distinction in all Modules
- Coursework: Micro, Macro, Econometrics, Industrial Organization

London, United Kingdom

Aug. 2017 - Jul. 2018

The University of Hong Kong

BACHELOR OF ECONOMICS

- Majors in Economics and Mathematics

Hong Kong

Sep. 2012 - Jul. 2016

National University of Singapore

EXCHANGE STUDY

- Courses in Mathematics

Singapore

Jul. 2015 - Jan. 2016

Skills

Programming Mathematica, Stata, R, Excel VBA, Java Script, VBA, Python

Languages Fluent English, Native Cantonese, Fluent Mandarin

Teaching

Instructor for ECON205 - Microeconomics Analysis II

INSTRUCTOR

- Evaluation. [forthcoming]

Duke University

Forthcoming

Instructor and TA for ECON700 - Mathematics for Economists

INSTRUCTOR AND TA

- Summer Math camp for Ph.D. students from the Economics and Public Policy departments

Duke University

July - Aug. 2021, July - Aug. 2022

TA for ECON620 - Game Theory with Applications

TA FOR PROF. ATTILA AMBRUS AND PROF. NELSON SA

Duke University

Aug. 2023 - May 2024

TA for ECON701&705 - Microeconomics Analysis I & II

TA FOR INSTRUCTORS PROF. PHILIPP SADOWSKI, PROF. CURTIS TAYLOR, AND PROF. TODD SARVER

- Core microeconomics sequence for PhD students of Economics and Public Policy department
- Evaluation here.

Duke University

Aug. 2020 - May 2021

Fellowship

Summer Research Fellowship

Duke University

June - Aug. 2022 and 2023

Research Assistant for Professor Arjada Bardhi

RESEARCH ASSISTANT

- Coding support in Mathematica.

Duke University

Aug. 2022 - May 2023

Working Papers

Caught in the Middle: Incentive and Information Hierarchies

Duke University

CO-AUTHOR WITH PROF. CURTIS TAYLOR

Forthcoming

- Abstract: In large corporations, hierarchies among its employees are usually present. Previous literature establish models where the transmission of information within a hierarchy mitigates coordination problems in teamwork. This paper endogenizes incentive provision in such settings. The results predict possibility of “fat top” structures which fits observational findings. This paper provides a novel explanation of why middle managers suffer particularly in the corporate hierarchy.
- Draft here.

Underinvestment in Buyer-Seller Network

Duke University

SOLO-AUTHORED

Forthcoming

- Abstract: I construct a network formation model for the buyer-seller networked market from Kranton and Minehart (2001). Agents anticipate resulting network structures and demand a transfer along with the costly link formation. My results predict that with moderate link formation cost, the potential deviation of the trading partners deters the formation of networked markets. The whole market may vanish under specific conditions. I also suggest some remedies for this under-investment.

Works in Progress

Bribery and the Rise of Extreme Politics

Duke University

SOLO-AUTHOR

Forthcoming

- Abstract: In contrast to Hotelling’s model in his 1929 paper, polarization of politicians is prevalent throughout political history, and even more so in the digital age. I develop a model that connects monetary incentives and the extreme platforms of politicians.