

University of Minnesota - Twin Cities

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**Curriculum Vitae
Fall 2021****XIAOHAN ZHANG****Personal Data***Address*

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Citizenship: China (F-1 Visa)

Major Fields of Concentration

Applied Macroeconomics, International Macroeconomics

Education

<i>Degree</i>	<i>Field</i>	<i>Institution</i>	<i>Year</i>
PhD	Economics	University of Minnesota (expected)	2022
MA	Economic Theory and Econometrics	Toulouse School of Economics	2016
BA	Economics	The University of Hong Kong	2014
	Mathematics minor		

Dissertation

Title: "Essays in Macroeconomics"

Dissertation Advisor: Professor Ellen McGrattan

Expected Completion: Summer 2022

References

Professor Ellen McGrattan	(612) 625-6714 erm@umn.edu	Department of Economics University of Minnesota 4-101 Hanson Hall
Professor Hannes Malmberg	(612) 301-7109 pmalmber@umn.edu	1925 Fourth Street South Minneapolis, MN 55455
Professor Anmol Bhandari	(612) 624-2816 bhandari@umn.edu	

Dr. Michael Waugh

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Research Department
Federal Reserve Bank
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90 Hennepin Avenue
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Honors and Awards

- 2017 *Distinguished Teaching Award*, Department of Economics, University of Minnesota, Minneapolis, Minnesota
- 2017 *Silverman Fellowship*, Department of Economics, University of Minnesota, Minneapolis, Minnesota

Teaching Experience

- Fall 2018 - *Instructor*, Department of Economics, University of Minnesota, Minneapolis, Minnesota. Taught
- Spring 2021 *Principles of Macroeconomics, Intermediate Macroeconomics, Comparative Economic Systems, and The Chinese Economy.*
- 2017 - 2018, *Teaching Assistant*, Department of Economics, University of Minnesota, Minneapolis, Minnesota.
- Summer 2020 Led recitation sections for *Principles of Microeconomics, Principles of Macroeconomics, Principles of Econometrics*, and *Introduction to Econometrics*.

Research Experience

- 2013 - 2014 *Research Assistant*, The University of Hong Kong, Hong Kong. Research assistant for Professor Heng, Chen.

Papers

“Multinational production, intangible capital, and structural change in the U.S.,” job market paper

Computer Skills

Matlab, R, Stata, Python

Languages

English (proficient), Mandarin Chinese (native), Cantonese (basic), French (basic)

Abstract

“Multinational production, intangible capital, and structural change in the U.S.,” job market paper

During 1982-2012, structural change in the U.S. witnessed reallocation of employment from the goods sector to service sectors. Meanwhile, measured productivity grew in both sectors, and bilateral trade flows and foreign directed investment (FDI) increased significantly. This paper assesses the contribution of technological progress and increased degree of openness on the reallocation of employment using a two-country-two-sector dynamic model with multinational production. I find that exogenous technological progress in the U.S. goods sector leads to a 60% growth in measured sectoral TFP and a one percentage point increase in the employment share of the goods sector. TFP growth in the goods sector in the rest of the world and declined trade cost on goods imported by the U.S. account for an 18 percentage point decline in the employment share in the goods sector. If the model is recalibrated to abstract from multinational production, the impact on the goods employment share is underestimated by three percentage points, accounting for 30% of the observed decline in employment share in the goods sector.