

Huilin Zhang

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Education

Purdue University , PhD, MS in Economics	2019-Expected 2025
<ul style="list-style-type: none"> GPA: 3.7/4. Course: Econometrics, Applied Microeconometrics, Time Series, Industrial Organization, Labor Economics 	
Sun Yat-sen University , MA in Economics	2017-2019
<ul style="list-style-type: none"> First Prize Scholarship for Graduate Students 	
Wuhan University , BA in Economics	2013-2017
<ul style="list-style-type: none"> Outstanding Student Scholarship (2013-2014, 2014-2015), Outstanding Freshman Scholarship 	

Research Projects

The Productivity Externality of Working From Home: Welfare and Policy Implication (PDF)	Doctoral Thesis
<ul style="list-style-type: none"> Developed a discrete choice model to quantify the socially optimal balance of remote and onsite work. Processed and extracted insights from three household survey datasets totaling 24M+ observations. Applied econometric techniques (e.g., generalized method of moments, regression analysis, instrumental variables) to estimate productivity spillover effects among onsite and remote workers. Found that subsidizing onsite work could increase social welfare by 2%, with remote technology facilitates a reduction in subsidy costs by 4 percentage points. Presented research findings at business and academic conferences through in-person and live-streaming formats. Secured research fundings and received Business Doctoral Student Association Research Symposium Award. 	
How Globalization Changes the Level and Structure of Executive Compensation with David Hummels and Jakob R. Munch	Work in Progress
<ul style="list-style-type: none"> Enhanced the principal-agent model by integrating diverse CEOs and firms to examine how trade shocks, CEO ability, and firm characteristics influence executive compensation. Analyzed matched worker-firm panel data (1K+ firms, 12K+ observations) using instrumental variable regression models to quantify the causal impact of globalization on CEO pay. 	
The Impact of Systemic Financial Risk on Macroeconomy	Master's Thesis
<ul style="list-style-type: none"> Studied how systemic financial risk influences output, inflation, consumer confidence, and credit using a 156-period time series with 134 macroeconomic and equity market variables. Applied Granger causality tests, factor-augmented vector autoregressive models, and impulse response functions to identify causal relationships and dynamic effects. Awarded Outstanding Master's Thesis. 	

Work Experience

Research/Teaching Assistant, Instructor , Purdue University	Aug. 2019-Present
<ul style="list-style-type: none"> Developed Python scripts to download and process bulk data, conducted data analysis, created presentation slides to communicate findings, and collaborated with a faculty member in weekly meetings to enhance research outcomes. Served over 600 students across 15 courses with class sizes ranging from 10+ to 80+. Awarded the Krannert Outstanding Teaching Certificate for achieving an average score of 4/5 on course evaluations. 	
Assistant Manager , China Merchants Bank	Dec. 2016-Feb. 2017
<ul style="list-style-type: none"> Guided clients through personal credit loan applications, conducted financial assessments, approved 70+ loans totaling \$1.4M, mentored a team member, and marketed financial products through client outreach. 	
Team leader, Student Loan Project , China Development Bank	Oct. 2016-Dec. 2016
<ul style="list-style-type: none"> Led a team of three to review 30K contracts valued at a total of \$40M within 15 days, ensuring data accuracy, compliance, and loan recoverability. Organized and archived contracts for efficient retrieval. 	

Presentations

89th Annual Meetings of the Midwest Economics Association (scheduled)	2025
2024 National Association for Business Economics Tech Economics Conference	2024
Business Doctoral Student Association Research Symposium	2023

Skills

Software: Matlab, Stata, Python, SQL, R **Languages:** Chinese, English
Technical: Causal Inference, Economic Modeling, Machine Learning, Data Analysis