

Huilin Zhang

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Education

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| 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

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| 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 (Top 1.6% of master's theses at the University). | |

Work Experience

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| 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

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| 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