

# Li Shen

Worcester, MA | [lshen@clarku.edu](mailto:lshen@clarku.edu) | (716) 817-3989 | [linkedin.com/in/lily-shen](https://www.linkedin.com/in/lily-shen)

## SUMMARY

Applied economist and Economics Ph.D. candidate specializing in causal inference, structural modeling, and time-series forecasting. Research uses high-frequency data and quasi-experimental designs to study trade, mobility, and market integration. Strong programming skills in Python, SQL, Stata, MATLAB, R, and SAS.

## EDUCATION

<b>Clark University</b> <i>Ph.D. in Economics</i>	<b>Worcester, MA</b> <i>Expected Aug 2026</i>
<b>The State University of New York at Buffalo</b> <i>M.A. in Economics</i>	<b>Buffalo, NY</b> <i>May 2019</i>
<b>Valparaiso University</b> <i>M.S. in International Economics and Finance</i>	<b>Valparaiso, IN</b> <i>May 2018</i>
<b>Chongqing University</b> <i>B.Mgmt. in Accounting</i>	<b>Chongqing, China</b> <i>June 2014</i>

## TECHNICAL SKILLS

- **Applied econometrics:** Difference-in-differences, shift-share IV, staggered adoption designs, event studies, gravity models, panel-data methods.
- **Forecasting and modeling:** Time-series forecasting (ARIMA), structural modeling, counterfactual simulation, quantitative spatial modeling, input-output analysis.
- **Programming:** Python, SQL, Stata, MATLAB, R, SAS.
- **Data and communication:** GeoPandas, ArcGIS, Tableau, ggplot2, LaTeX; experience presenting technical results to academic and nontechnical audiences.

## SELECTED RESEARCH AND PROFESSIONAL EXPERIENCE

<b>The Local Multiplier Effects of Trade (Job Market Paper)</b>	2024–Present
<ul style="list-style-type: none"><li>• Developed a multi-sector, 31-province quantitative spatial model calibrated to China’s 2017 MRIO table to study how trade shocks propagate through domestic production networks and labor markets.</li><li>• Identified own-trade share as a key driver of local GDP multiplier heterogeneity; model-implied multipliers range from 0.30 to 1.02, and shift-share IV estimates a real export-GDP multiplier of at least 1.721.</li><li>• Quantified local labor spillovers and calibrated trade costs, productivity, and input-output coefficients using MRIO, ICIO, and Chinese Customs data.</li></ul>	
<b>High-Speed Rail and Market Integration</b>	2022–2025
<ul style="list-style-type: none"><li>• Built a panel of 3.99 million city-pair-month observations from daily wholesale prices in 117 Chinese cities matched with AutoNavi intercity mobility indices.</li><li>• Used China’s staggered HSR rollout and the Green Passage Policy for identification; estimated that HSR connectivity reduced intercity price dispersion by 2% on average and by up to 5% in short-haul markets.</li><li>• Showed that the main mechanism was passenger mobility and face-to-face commercial interaction, using product heterogeneity and COVID-19 travel restrictions as validation.</li></ul>	
<b>Applied Econometric Research and Forecasting</b>	2017–2019
<ul style="list-style-type: none"><li>• Modeled determinants of Intel Corp.’s net revenue using regression analysis; coauthored a publication in <i>Engineering and Technology Quarterly Reviews</i>.</li><li>• Forecasted international passenger demand with seasonal ARIMA models in SAS and estimated GDP-demand elasticities for capacity planning.</li></ul>	
<b>Financial Auditor, Datong Jiaye Property Management Co., Ltd.</b>	2014–2016
<ul style="list-style-type: none"><li>• Conducted internal audits, reconciled inventory records, and prepared general-ledger journal entries.</li></ul>	

## TEACHING, PUBLICATIONS, AND HONORS

- **Teaching Assistant, Clark University (2020–2025):** supported graduate finance and undergraduate economics courses; coached students in quantitative and computational methods.
- **Selected publication:** Ozgur, C., Shen, L., et al. (2019), “The Effect of Time, Price of Stock Research and Development, and Number of Bugs on Net Revenue for Intel Corporation,” *Engineering and Technology Quarterly Reviews*, 2(1).
- **Honors:** Sheftel Award (Research Excellence, twice, 2025), Veendorp Best Field Paper Award (2022), Doctoral Fellowship (2019–present), Kaggle Silver Medal (2024), Kaggle Bronze Medals (2023).