

Zixing Guo

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Education

Ph.D. Candidate in Economics	Boston University	Sept. 2020 – May 2026 (Expected)
• Dean's Fellowship		GPA: 3.8/4.0
M.A. in Economic Policy	Boston University	Sept. 2018 – Jan. 2020
• CAS Commencement Prize (Top of Class), GRS Special Summer Stipend		GPA: 4.0/4.0
B.B.A. in Economics	The Chinese University of Hong Kong, Shenzhen	Sept. 2014 – May 2018
• First Class Honor, Dean's List (2015-2017), Full Entry Scholarship for 4 years		GPA: 3.7/4.0

Research

Sticky Nominal Contracts

- Conducted empirical research and demonstrated using firm level data that inflation shock can have positive effects on firms' investment and production decisions via **debt erosion (Fisher Channel)**.
- Utilized a **Heterogeneous Agent New Keynesian** model, solved it by **Sequence-Space Jacobians** to quantify the Fisher Channel and showed 1% inflation shock will increase investment by **0.7%** and aggregate TFP by **0.013%** overall.

Labor Share over Recessions

- Developed a comprehensive dataset integrating **Compustat** and the Bureau of Labor Statistics (BLS) Quarterly Census of Employment & Wages, enabling **high-frequency analysis** of firm-level labor share dynamics across business cycles.
- Analyzed the acceleration of aggregate labor share decline, uncovering **significant heterogeneity** across sectors and time, and proposed behavioral channels to explain these trends, offering insights for labor market **policy design**.

Research Assistant **Boston University** **Sept. 2021 – present**

- Utilized Python and MATLAB to compile, process, and analyze **financial instruments**, including futures and swaps, as well as **time series** data from diverse sources such as Bloomberg and DataStream.
- Applied advanced **macroeconometric techniques** and identified **high-frequency monetary policy shocks** from collected dataset, applying advanced causal inference techniques to evaluate their influences on the U.S. economy.
- Built and implemented various kinds of **time series models** (e.g., **vector-autoregression**, **local projection**) to analyze and forecast macroeconomic variables, improving accuracy and comparing results.

Research Assistant **Boston University** **Feb. 2019 – Aug. 2019**

- Spearheaded data collection and cleaning efforts for a **fiscal policy** project at the Pardee School of Global Studies, utilizing cross-sectional data from the International Monetary Fund.
- Designed and executed Python-based web scraping scripts to gather over **200,000 health-related observations**, enabling large-scale policy analysis.

Working Experience

Teaching Assistant **Boston University** **Sept. 2021 – present**

- Developed course materials for Master's-level modules on advanced economic and financial theories, emphasizing practical applications in data analysis using various tools (e.g. MATLAB, Stata and R).
- Delivered tutorials and provided one-on-one academic support to over 100 students across multiple cohorts over the years, clarifying complex statistical and econometric concepts and troubleshooting their coding.

Project Intern **Haier Model Research Institute** **Feb. 2020 – June 2020**

- Independently developed Haier's new managerial accounting standard, introducing over 30 new items and refining their weights to **quantify value added** along the supply chain, improving performance evaluation accuracy.
- Enhanced managerial accounting practices by integrating **quantifiable metrics**, enabling senior executives to make more data-driven decisions and aligning operational assessments with supply chain contributions.

Project Intern **China Alliance of Social Value Investment** **Feb. 2018 – May 2018**

- Conducted comprehensive data collection, including quantitative metrics and descriptive insights on **environmental, social and governance (ESG)** investments from 300 Chinese public companies.
- Played a pivotal role in the 'YILI99' project by **designing weighting criteria and scoring** companies based on their social and economic performance, and recognized as the "**Best Intern**" for exceptional performance at the conclusion of the internship.

Skills & Abilities

- MATLAB, Stata, R, Python, MS Office, Julia, Mathematica, SQL, Bloomberg and DataStream
- Causal Inference, Time Series Forecasting, Math Modeling, Optimization, Machine Learning, Large Language Model
- CFA Level 1