Zhenhao Gong

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Citizenship: **Chinese (3 Years of OPT)**

Education

University of Connecticut,

- Ph.D. in Economics — Expected July 2022
  - Fields of Concentration: Econometrics, Labor Economics, Industrial Organization
  - Dissertation Title: *"Three Essays on Large Panel Data Econometrics"*
- M.S. in Quantitative Economics — Expected June 2022

Syracuse University, — June 2017

- M.A. in Economics

Zhejiang Ocean University, — July 2013

- B.A. in Economics

Research Interests

- Applied Econometrics, Causal Inference, Machine Learning, Forecasting
- Concentration: Large panel models, Factor analysis in high-dimensional data

Working Papers

1. "Improved Inference for Interactive Fixed Effects Model with Cross-sectional Dependence," (**Job Market Paper**).
2. "Non-robustness Issue for Estimating the Number of Factors in High Dimensional Data," (Manuscript).
3. "Interactive Fixed-effects Dynamic Panel Models, A Spatial Analytical Approach," (Working in Progress).

Teaching Experience

Instructor, University of Connecticut

- Elementary Forecasting (Spring 2021, Fall 2021)
- Econometrics I (Spring 2021, Fall 2021)

Teaching Assistant, University of Connecticut

- Financial Econometrics (Fall 2019)
- Econometrics I (Ph.D. level) (Spring 2019)
- Intermediate Microeconomics Theory (Fall 2017, Spring 2018, Spring 2019)
- Principles of Economics (Fall 2018)

Teaching Assistant, Syracuse University

- Intermediate Macroeconomics Theory (Fall 2016)

Research Experience

- *Research Assistant* for Prof. Kao, University of Connecticut — 2019
- *Research Assistant* for Prof. Furtado, University of Connecticut — 2018

Honors and Awards

University of Connecticut,

- *Eleanor Bloom Summer Fellowship* 2021, 2020, 2019, 2018
- *Graduate School Pre-Doctoral Fellowship* 2019
- *Timothy A. and Beverly C. Holt Economics Fellowship* 2019

Seminars and Conferences

- Econometrics Seminar, University of Connecticut
- New York Camp Econometrics

Technical Skills

- *Programming Languages*: R, Python, LaTeX
- *Technical Softwares*: Matlab, Stata
- *Machine Learning methods:* LASSO, Ridge, PCA, Cross-sectional Validation, Classification, Model Selection, Step Functions

Relevant Machine Learning Coursework

- ECON 5317 Machine Learning for Economists
  - Classification, Cross-sectional Validation, LASSO, Tree Based Methods
- ECON 5323 Convex Optimization with Python
  - Machine Learning, GBM, Gradient Descent
- ECON 5494 Open Source Programming with Python
  - Object-Oriented Programming
- ECON 5495 Programming and Computation with R
  - Principal Component Analysis

References

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