

Zhouzhou Gu

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Education

Princeton University

Ph.D. in Economics.

NJ, USA

Sep. 2024 – Present

Peking University

B.S. in Physics, B.A. in Economics.

Beijing, China

Aug. 2018 – July 2022

Research Interests

Macroeconomics, Macro-finance, Asset Pricing

Working Papers

- “[Deep Learning Solutions to Master Equations for Continuous Time Heterogeneous Agent Macroeconomic Models](#)”, with Jonathan E. Payne, Mathieu Laurière and Sebastian Merkel, August 2023.
- “Housing Policy and Inequality”, with Jonathan E. Payne, November 2023.
- “[Deep Learning for Solving and Estimating Dynamic Macro-Finance Models](#)”, with Wenhao Li, Lu Lu, Benjamin Fan, Edward Qiao and Anran Jiao, May 2023. Minor Revision at *Computational Economics*
- “[Asset Pricing, Participation Constraints, and Inequality](#)”, with Goutham Gopalakrishina and Jonathan E. Payne, April 2024.

Selected Research Experience

Senior Research Specialist, Bendheim Center for Finance, Princeton University

Advisors: Prof. Markus K. Brunnermeier & Prof. Jonathan E. Payne.

NJ, USA

Sep. 2022 – Aug. 2024

Marshall School of Business, University of Southern California

Research Assistant to Prof. Wenhao Li.

Remote

June 2021 – June 2022

Seminars and Conferences (* presented by co-authors)

- 2024: Peking University, IMIM Seminar Series, University of Chicago*
- 2023: Chicago IMSI*, SED*, SCE*, DSE Lausanne*, Princeton Finance*, Princeton IO*, UC Berkeley*, USC Marshall.

Selected Honors and Awards

- Princeton University Graduate Fellowship 2024 – 2029
- Bendheim Center for Finance Travel Grant for DSE 2023 2023
- Chinese Economy Research Scholarship 2021
- Benz Scholarship 2021
- Peking University First Prize Scholarship 2020

- Academic Excellent Award 2019
- Gold Medal in 19th Asian Physics Olympiad 2018
- Gold Medal in 34th Chinese Physics Olympiad (selected to **Chinese National Team**) 2017

Teaching Experience

Teaching Assistant for Money, Macro and Finance (2nd year PhD)	Princeton University
Instructor: Prof. Markus K. Brunnermeier.	Fall 2023
Instructor for Continuous Time Macro-finance (1st year PhD)	Princeton University
Organized by Prof. Markus K. Brunnermeier, online summer school .	Summer 2023
Teaching Assistant for Undergraduate Microeconomic Theory	Peking University
Instructor: Prof. Xin Wang.	Fall 2021

Additional Information

- **Service:** Co-organizer (with Markus Brunnermeier) of Macro-finance reading group.
- **Programming:** Python, R, C/C++, Matlab, \LaTeX , Julia, Stata.
- **Languages:** Chinese (Native), English (Fluent).

Last Updated: April 4, 2024