

# Zhouzhou Gu

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## Education

### Peking University

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

Beijing, China

Aug. 2018 – July 2022

## 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, March 2024.

## Selected Research Experience

### Senior Research Specialist, Bendheim Center for Finance, Princeton University

NJ, USA

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

Sep. 2022 – Aug. 2024

### Marshall School of Business, University of Southern California

Remote

Research Assistant to Prof. Wenhao Li.

June 2021 – June 2022

## Seminars and Conferences (\* presented by co-authors)

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

## Selected Honors and Awards

- BCF Travel Grant for DSE 2023 (800\$) 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,  $\text{\LaTeX}$ , Julia, Stata.
- **Languages:** Chinese (Native), English (Fluent).

*Last Updated: March 22, 2024*