

# Zhao LIU

## Curriculum Vitae

419 Chapel Drive, 213 Social Sciences Bldg.  
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### Education

- 2014-20 **PhD in Economics**, *Duke University, NC*.
  - **Committee:** Craig Burnside (Chair), Mariano Massimiliano Croce, Lukas Schmid, Federico Bugni
  - GPA: 3.96/4.0
- 2011-13 **M.Phil in Statistics**, *University of Hong Kong, HK*.
- 2007-11 **B.S. in Mathematics and Statistics**, *Shandong University, CHN*.

### Research Interests

Finance, Macroeconomics, Econometrics

### Publications

- 2019 *Recursive Allocations and Wealth Distribution with Multiple Goods: Existence, Survivorship, and Dynamics* (with Riccardo Colacito and Mariano Massimiliano Croce) **Quantitative Economics** (Volume 10, Issue 1, Pages 311-351).
- 2017 *On Mixture Double Autoregressive Time Series Models* (with Guodong Li, Qianqian Zhu and Wai Keung Li) **Journal of Business and Economic Statistics** (Volume 35, Pages 306-317).
- 2014 *Local Linear-additive Estimation for Multiple Nonparametric Regressions* (with Lu Lin and Yunquan Song) **Journal of Multivariate Analysis** (Volume 123, Jan 2014, Pages 252-269) .

### Working Papers

- 2019 *R&D, Risk Premia and Credit Spreads* (**Job Market Paper**).
- 2018 *On Buffered Double Autoregressive Time Series Models* (**under revision**).
- Work in Progress*
- 2019 *Good Uncertainty, Bad Uncertainty and the Aggregate Effects: a Regime-Switching DSGE Approach*.
- 2019 *Recovering Time Varying Risk Premia in High Frequency Econometrics*.
- 2019 *A Unified Model for Puzzles in International Finance* .

### Honours and Awards

- 2016 Frank T. deVyver Economics Endowment Fund Fellowship, *Duke University*.
- 2015, 16, 17 Summer Research Fellowship, *Duke University*.

- 2014-20 PhD Scholarship, *Duke University*.  
2011-13 Postgraduate Scholarship, *University of Hong Kong*.  
2012 Excellent Teaching Assistant Award, *Department of Statistics and Actuarial Science, University of Hong Kong*.

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## Teaching Experience

- 2019 **Head Teaching Assistant** Time Series Econometrics (Economics MA course), *Department of Economics, Duke University*.  
2017 **Head Teaching Assistant** Methods in Macro-Finance (Finance PhD core course), *Kenan-Flagler School of Business, University of North Carolina Chapel Hill*.  
2015-16 **Head Teaching Assistant** Econometrics I and Econometrics II (Economics PhD core courses), *Department of Economics, Duke University*.  
2013 **Head Teaching Assistant** Statistics in Economics and Finance (Statistics MS course), *Department of Statistics and Actuarial Science, University of Hong Kong*.  
2012 **Teaching Assistant** Business Statistics (Undergraduate core course), *Department of Statistics and Actuarial Science, University of Hong Kong*.  
2012 **Teaching Assistant** Statistics and Probability II (Undergraduate core course), *Department of Statistics and Actuarial Science, University of Hong Kong*.  
2011 **College Teaching Certificate**, *University of Hong Kong*.

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## Working Experience

- 2017- 19 **Research Assistant** for Professor Craig Burnside, *Department of Economics, Duke University*.  
2017- 18 **Research Assistant** for Professor Francesco Bianchi, *Department of Economics, Duke University*.

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## Technical Skills

MATLAB, R, DYNARE, STATA, SAS

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## Reference

### **Craig Burnside**

*Mary Grace Wilson Professor and Chair of the Economics Department*  
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### **Lukas Schmid**

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### **Mariano Massimiliano Croce**

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Bocconi University  
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### **Federico A. Bugni**

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