

# Yongzhi Xu

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## Education

|   |                 |
|---|-----------------|
| Ph.D. in Economics, Texas A&M University                            | 2026 (Expected) |
| M.S. in Economics, Texas A&M University                             | 2020            |
| Bachelor of Economics, Shanghai University of Finance and Economics | 2016            |

## Research Interest

Econometrics, Empirical Industrial Organization, Machine Learning, Reinforcement Learning

## Working Paper

“Detecting Algorithmic Collusion by Algorithms” (with Yonghong An and Yu Zhu).

“Let Them Eat Pie: Addressing the Partial Contestation (Selection) Problem in Multiparty Electoral Contests” (with Ali Kagalwala, Thiago M. Q. Moreira, and Guy D. Whitten).

“On the Roles of Mandatory Return Option and Consumers' Heterogeneous Perceptions for Experienced Goods: Experimental Evidence” (with Jinliang Liu).

“Tacit Collusion by Pricing Algorithm with Rule-Based Rivals”

## Work in Progress

“Historical Simulations of Unified China and Divided Europe: Insights from Reinforcement Learning” (with Li Zheng and Weiwen Yin)

“Long Divided, Must Unite? Historical Simulations of Japan’s Political Evolution Using Reinforcement Learning” (with Li Zheng and Weiwen Yin)

## Seminar and Conference Presentation

|   |                          |
|---|--------------------------|
| Chinese Economists Society 2025 North America Annual Conference | Ann Arbor, MI, Mar 2025  |
| Texas Camp Econometrics XXVIII                                  | Burnet, TX, Feb 2025     |
| Texas Camp Econometrics XXVII                                   | Montgomery, TX, Feb 2024 |

## Awards, Grants, and Honors

|   |                                 |
|---|---------------------------------|
| Graduate Assistantship                  | Texas A&M University, 2020-2025 |
| Outstanding Graduate Teaching Assistant | Texas A&M University, 2021      |
| Department Scholarship                  | Texas A&M University, 2018      |

## Research Experience

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|---|--------------------------------------|
| Research Assistant to Prof. Yonghong An | Texas A&M University, Full Year 2019 |
| Research Assistant to Prof. Jeremy Fox  | Rice University, Spring 2019         |

## Teaching Experience

|   |             |
|---|-------------|
| Instructor, Department of Economics, Texas A&M University |             |
| Qualifier Camp for Econometrics II                        | Summer 2024 |
| ECON 202 Principles of Economics: Microeconomics          | Summer 2023 |
| Qualifier Camp for Microeconomic Theory I                 | Summer 2022 |

|   |             |
|---|-------------|
| Teaching Assistant, Department of Economics, Texas A&M University                                   |             |
| ECMT 676 Econometrics II (PhD core, with recitation), Prof. Manu Navjeevan<br>& Prof. Jorge Garcia  | Spring 2025 |
| ECMT 675 Econometrics I (PhD core, with recitation), Prof. Yonghong An                              | Fall 2024   |
| ECMT 676 Econometrics II (PhD core, with recitation), Prof. Yonghong An<br>& Prof. Scott Cunningham | Spring 2024 |
| ECMT 675 Econometrics I (PhD core, with recitation), Prof. Yonghong An                              | Fall 2023   |
| ECMT 463 Introduction to Econometrics (with recitation), Prof. Yonghong An                          | Spring 2023 |
| ECON 489 Data Science for Future Decision Makers, Prof. Fernando Luco                               | Fall 2022   |
| ECON 426 Antitrust Economics, Prof. Fernando Luco   | Spring 2022 |
| ECMT 463 Introduction to Econometrics (with recitation), Prof. Zheng Fang                           | Fall 2021   |
| ECON 203 Principles of Economics: Macroeconomics, Prof. Petro Bento                                 | Spring 2021 |

### **Skills**

Software: Python, Julia, Matlab, R, Stata, SAS, z-Tree, C#  
 Languages: Mandarin Chinese (Native), English (Fluent)

### **Committee Members**

Yonghong An (Chair)  
 Professor of Economics  
 Department of Economics  
 Texas A&M University  
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Jackson Bunting  
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