

# YANG PEI

## WORK ADDRESS

University of Houston  
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*Latest update: November 25, 2023*

## CONTACT DETAILS

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## CITIZENSHIP

China, F1 Visa

## RESEARCH FIELDS

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International economies, Spatial economics, Econometrics, and China economy

## EDUCATION

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|--|---------------------------|
| Ph.D. Candidate in Economics, <b>University of Houston</b>                                 | <i>Sep 2019 - Present</i> |
| M.A. in Economics, <b>University of Houston</b>  | <i>2019-2021</i>          |
| M.A. in Economics, <b>Central University of Finance and Economics</b>                      | <i>2016-2019</i>          |
| Joint Program on Applied Mathematics, <b>University of Science and Technology of China</b> | <i>2012-2013</i>          |
| B. S. in Statistics, <b>Anhui University</b>   | <i>2011-2015</i>          |

## RESEARCH EXPERIENCE

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### Job Market Paper

Demographics, Trade, and Growth: China's past and future

### Working Paper

An Accounting of the Decline in China's Trade

Expectation Sentiments and Consumption Fluctuations in the Time of COVID (joint with Kunyao Xu)

The Effects of Macro-prudential Policies on Bank Efficiency and Profitability (joint with Alice Ouyang)

### Work in Progress

Accounting for the China's Province Level Border Effects

China's VAT Reforms, Distortions, and Intranational Trade

### Conference Presentations

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|--|-------------|
| Midwest Macroeconomics Conference, Lubbock, TX | <i>2023</i> |
|--|-------------|

*An Accounting of the Decline in China's Trade*

|   |             |
|---|-------------|
| Western Economic Association 15th International Conference, Keio University | <i>2019</i> |
|---|-------------|

*The Effects of Macro-prudential Policies on Bank Efficiency and Profitability*

### Research in no-economic fields

Electricity analysis and targeted optimization of the rectangular micro-strip antenna, Project Leader, *National College Students' Innovation and Entrepreneurship Foundation of Ministry of Education of China* *2013-2014*

## WORKING EXPERIENCE

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**Research Assistant      University of Houston, Professor Kei-Mu Yi**  
- *summer 2024 summer 2023; Summer 2022; Summer 2021*

- Conduct data cleaning on WIOD input-output table
- Solving the Eaton Kortum model or Caliendo Parro model with gradient free methods
- Replicate Global Value Chain model (Sposi, Yi and Zhang 2022)
- Calculate model implied trade cost elasticity of welfare
- Compare trade cost elasticity of welfare between one stage model and muti-stage model

**Research Assistant      University of Houston, Professor Steven G. Craig** *Fall 2022*

- Conduct data cleaning on PSID dataset
- Create variables for the income, consumption, wealth at family and individual level respectively

**Research Assistant      National Taxation Bureau of China** *2019-2020*

- Conduct data cleaning on CHIP dataset and confidential individual level data from government
- Measure the social impact of personal income tax policy reform through PSM
- Complete the 2016 National industrial index report (Responsible for compiling fixed asset investment data of Beijing-Tianjin-Hebei and Yangtze River Delta)
- Complete the report "The effect of Value-Added Tax reform on tax structure change"
- Complete the report "Income elasticity of individual income tax of Chinese residents"

## TEACHING EXPERIENCE

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|---|-------------------------------|
| Principle of Microeconomics (Undergrad), Instructor, UH.                              | <i>Spring 2023; Fall 2023</i> |
| Principle of Microeconomics (Undergrad), Teaching Assistant, UH.                      | <i>Fall 2022</i>              |
| International Monetary Economics (Undergrad), TA, Professor Ruxandra Prodan Boul, UH. | <i>Fall 2021</i>              |
| Econometrics I (Ph.D.), Homework Instructor, Professor Nathan Canen, UH.              | <i>Spring 2021</i>            |
| Quantitative Methods (Ph.D.), Homework Instructor, Professor Vikram Maheshri, UH.     | <i>Fall 2020</i>              |
| Money, Banking Financial Markets (Undergrad), TA, Professor Polly Hardee, UH.         | <i>spring 2020</i>            |
| Macroeconomic Principles (Undergrad), Teaching Assistant, Professor Polly Hardee, UH. | <i>Fall 2019</i>              |

## HONORS AND AWARDS

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### HONORS

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|--|-------------|
| National College Students Innovation and Entrepreneurship Competition, Third Prize, Beijing Municipal Education Commission | <i>2017</i> |
| The Prize of School Outstanding Student Leader, Central University of Finance and Economics                                | <i>2017</i> |
| The Prize of School Excellent Volunteer, Anhui University  | <i>2014</i> |
| National College Students Mathematics Competition, Third Prize, Chinese Mathematical Society                               | <i>2013</i> |

### AWARDS

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|---|-------------------------|
| University of Houston Fellowship,   | <i>2019 - 2024</i>      |
| Academic Exchange Travel Fund, Central University of Finance and Economics                            | <i>2019</i>             |
| Postgraduate academic scholarship for excellent students, Central University of Finance and Economics | <i>2016-2018</i>        |
| Wendian Scholarship, Anhui University   | <i>2012, 2013, 2014</i> |

## COMPUTER SKILLS (IN TERMS OF PROFICIENCY)

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Programming: C/C++, MATLAB, ArcGIS, Juila, Python  
Statistical: Stata, R, Excel

## LANGUAGES

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Chinese (Native), English (Fluent)

## REFERENCES

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**Dr. Kei-Mu Yi** (Committee Chair)

*M.D. Anderson Professor of Economics,  
Department of Economics*

University of Houston

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Department of Economics*

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