

# Fangzhu Yang

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## EDUCATION

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|---|------------------------|
| <b>Ph.D. in Economics</b><br>Johns Hopkins University, Baltimore, MD                          | 2018 - 2024 (expected) |
| <b>M.S.E in Applied Mathematics and Statistics</b><br>Johns Hopkins University, Baltimore, MD | 2016 - 2018            |
| <b>B.A. in Economics and Mathematics</b><br>Brandeis University, Waltham, MA                  | 2014 - 2016            |
| Shanghai University of Finance and Economics, Shanghai, China                                 | 2012 - 2013            |

## RESEARCH INTERESTS

Family and gender economics; Labor economics; Development Economics; Machine Learning; Generative Models

## WORKING PAPERS

1. The Effect of the Two-Child Policy on Gender Inequality in China (Job market paper)
2. Fostering Entrepreneurship through Crowdfunding: What Drives Local Biases? (with Jian Ni and Yi Xin), under revision for the next round of submission
3. Product Design Using Generative Adversarial Network: An Application in Artistic Template Design (with Hui Li and Jian Ni), ready for submission
4. How Do Racial Filters in Online Dating Apps Change Racial Homogamy? (with Yujung Hwang and Aureo de Paula), work in progress

## ACADEMIC PRESENTATIONS

- “Product Design Using Generative Adversarial Network: An Application in Artistic Template Design.”  
*43rd ISMS Marketing Science Conference Virtual Conference.* June 2021

## EXPERIENCE

- **Research Assistant** 2017 - 2018  
Johns Hopkins University, Baltimore, MD
  - Research assistant to Professor Jian Ni when in the Department of Applied Mathematics and Statistics. Bayesian estimation of dynamic discrete choice model using hidden Markov models.
- **Research Assistant** 2016 - 2017  
Johns Hopkins University, Baltimore, MD
  - Research assistant to Professor Yuya Sasaki when in the Department of Applied Mathematics and Statistics. Implemented robust inference for RD designs using multiplier Bootstrap methods.
- **Teaching Assistant** 2018 - 2022  
Johns Hopkins University, Baltimore, MD

- Elements of Microeconomics Spring 2020
- Microeconomic Theory Fall 2019, Fall 2020
- Econometrics Fall 2021
- Market Design, Economics of Matching Spring 2021
- Gender Economics Spring 2022

Brandeis University, Waltham, MA

- Statistics for Economics Analysis Fall 2015

## **HONORS AND AWARDS**

- Ph.D. Student Fellowships, Johns Hopkins University 2018-2023
- Clarence M. Guggenheimer Award, Johns Hopkins University 2022
- High Honors for the senior thesis program, Brandeis University 2016
- People's scholarship awarded for academic performance, SHUFE 2013

## **TECHNICAL SKILLS**

- Proficient in R, Python, Stata, LaTeX
- Basic knowledge in SQL