XIAOYI (SHERRY) TANG

+1 (773)-493-7778 | xiaoyitang@uchicago.edu | https://xiaoyi-tang.github.io/

EDUCATION

University of Chicago | Kenneth C. Griffin Department of Economics | Chicago, IL

Master of Arts in the Social Sciences with Concentration in Economics (with $11000 scholarship), June 2025 (Expected)

Current Coursework: Empirical Analysis I (PhD core course), Topics in Labor Markets: Earnings and Employment (2nd year PhD), A Course In Experimental Economics (2nd year PhD), Analysis in R^n II, Mathematical Methods Camp (PhD level), Modern Methods for Applied Regression (Master level), Perspectives in Social Science Analysis (Master level)

Minzu University of China | School of Economics | Beijing, China

Bachelor of Arts in Economics (with honors); GPA: 91.8/100 (WES:3.89/4), June 2024

Relevant Courses: Intermediate Macroeconomics (95/100), Mathematical Economics (96/100), Econometrics (90/100), Linear Algebra (96/100), Probability and Mathematical Statistics (93/100), Dynamic Optimization (91/100), Intermediate Microeconomics, Game Theory, Advanced Mathematics, Analysis of Economic Data (with Python), The Economics of Resources and Environment, Finance, Labor Economics

Thesis: "Children quantity, parental health and the potential mechanisms"

University of California, Berkeley | Berkeley, CA

Visiting Undergraduate Student; GPA: 3.89/4, January 2022 - May 2022

Relevant Courses: Industrial Organization (2nd year PhD)(A), Development Economics (A), Concepts of Statistics (A-)

RESEARCH INTERESTS

Environmental Economics, Labor Economics, Applied Microeconomics

RESEARCH EXPERIENCE

- **Empirical Research on Labor Market**: Research Assistant, January 2024 - May 2024

  Advisor: Prof. C.Y. Kelvin Yuen, The Hong Kong University of Science and Technology

  - Utilized Stata to measure effect of minimum wage increase on employment rate for different types of workers using stacked DID method; Developed event study graph, using wage-size premium method to estimate labor supply elasticity in several countries
  - Supported professor in building general-equilibrium search and wage-posting framework with heterogeneous workers and tasks matching in labor markets
  - Audited advanced courses including *Advanced Macroeconomics* and *Advanced Optimization* at HKUST(GZ) with PhD students and attended research seminar every week

- **The Occupational "Sticky Trap" of Digital Labor under Algorithm Control**: Independent Research, January 2022 - June 2023

  Advisor: Prof. Jing Liu, Minzu University of China

  - Conducted 3-month field study and surveyed more than 200 individuals to know how digital labor feel about the "Sticky Trap" through questionnaires and in-depth interviews; Analyzed formation mechanism of "Sticky Trap" through qualitative research
  - Performed data cleaning and data analysis with Python & R, and used Structural Equation Model with R lavaan package to explore the relationship between variables
  - Operated Cronbach test by calculating α values and Exploratory Factor Analysis (EFA) by calculating KMO statistics and Bartlett significances with SPSS

- **Empirical Research on Chinese Economic and Social Data**: Research Assistant, April 2022 - October 2022

  Advisor: Prof. Zhaopeng Frank Qu, Nanjing University

  - Collected data and indicators of economic development such as GDP and Gini Coefficient and integrated databases, performing data cleaning and conducting data analysis and visualization with Stata and R maps & ggplot2
  - Developed novel data processing framework for a recently released radiance dataset known as VNP46A2, part of NASA's Black Marble suite of Nightlight (NTL) products, utilizing QGIS and Python to calculate zonal economic statistics over multiple rasters using NTL data
  - Attended weekly research meetings with other researchers and shared interesting papers and ideas occasionally

- **The Effect of News Recommendation on Consumer Behavior**: Research Assistant, March 2022 - June 2022

  PIs: Yixiang Xu & Mengyao Huang, UC Berkeley Haas School of Business

  - Performed web scraping (e.g., Microsoft News, New York Times) on more than 60,000 English news articles to collect variables and indicators about consumer behavior with Python Pandas & Beautiful Soap
  - Used Propensity Score Matching and consumer clustering/classification algorithm with Random Forest in Python to explore whether building up and using consumer side as a basis of a simulated online learning environment can enhance performance of recommendation system

PROFESSIONAL EXPERIENCE

- **GUANGFA Securities Co., Ltd**: Equity Research Analyst Intern, October 2023 - December 2023
  - Updated databases & annual reports using Microsoft Access and Power BI, followed market trends, and conducted in-depth analysis of TMT industry and enterprises to aid investment decision-making
  - Performed corporate valuation for listed companies (Dividend Discount Model (DDM) and Discounted Cash Flow (DCF) model)
- **Ipsos Consulting Company**: Assistant Analyst Intern in Quantitative Research Department, June 2022 - August 2022
  - Assisted mentor to conduct data analysis and wrote key findings (completed the processing of more than 8,000 observations of data), and used Excel to conduct t-tests in A/B Testing
  - Operated data visualization by making Pivot Table in Excel and drawing bar charts and line charts in PowerPoint
  - Participated in the design of three medium-sized project questionnaires about consumer preferences, and removed unreasonable questionnaire results based on the screening requirements

TEACHING EXPERIENCE

- **Applied Econometrics (with Stata), Minzu University of China**: Teaching Assistant for Prof. Yu Bai, September 2023 - January 2024
  - Prepared course materials including Stata guidebooks & real-world data sets & Stata codes and grade assignments & exams
  - Organized sessions for students to show how to apply various econometrics methods using Stata with real-world data
  - Held office hours every two weeks to address some learning difficulties met by students

CONFERENCE

- **2023 Health and Aging Economics Summer Camp**: Organized by PKU-iGHD & Yale Institution for Social and Policy Studies, June 2023
  - Presented my working paper *Formation Mechanism and Impact of the Digital Laborers' Occupational "Sticky Trap" under Algorithms: Evidence from a Social Survey for Meituan Take-out Riders*

FELLOWSHIP & AWARDS

Harvard Predoctoral Fellowship, Harvard University, 2025-2026

Gargoyle Research Scholarship, University of Chicago, 2024-2025

M.A. Director's Scholarship (merit-based), University of Chicago, 2024-2025

Social Sciences Promise Scholarship, University of Chicago, 2024-2025

Innovation Class for Top Talents in Economics ($\approx$ honors program)(selected 35 out of 600+), Minzu University of China, 2020-2024

Academic Distinction Scholarship($\times$3), Minzu University of China, 2020-2024

Special Award in Academic Works Competition for Chinese College Students (Awarded to recognize students' academic potential), 2023

Fei Hsiao-tung Award for Outstanding Academic Achievement (Top 0.3%), Minzu University of China, 2023

Honorable Mention in International Interdisciplinary Contest In Modeling (ICM), 2023

Scholarship to Visit Top Universities in the World (RMB 65,500), Minzu University of China, 2022

SKILLS

- **Programming**: R, Stata, Julia, Python, LaTeX, Markdown
- **Languages**: English (Fluent), Chinese Mandarin (Native), Chinese Cantonese (Basic)

Last Updated: January 2025