

# Ao Yu

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## Education

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### Ph.D. in Agricultural and Resource Economics (Expected Graduation in 2025)

University of Maryland - College Park, College Park, MD  
GPA: 3.9

### Master of Science in Applied Economics and Management, August 2018

Cornell University, Ithaca, NY  
GPA: 3.6

Thesis: "The Impact of Energy Production on Farmland Markets: Evidence from New York's 2008 Hydraulic Fracturing Moratorium"

Advisor: Dr. Jennifer Ifft

### Bachelor of Arts in Economics, March 2016

University of California, San Diego, La Jolla, CA  
Graduated with Departmental Distinction and Cum Laude  
GPA: 3.8

## Skills

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### Technical Skills

Proficient in MATLAB, Python, R, STATA, and SPSS, with extensive experience in data analysis and econometric modeling.

### Languages

- Chinese: Native proficiency
- English: Fluent

## Research

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- With Jennifer Ifft, "The impact of energy production on farmland markets: Evidence from New York's 2008 hydraulic fracturing moratorium." *The Energy Journal* 42, no. 3 (2021): 133-152.
- Willingness to Pay for Safety, Evidence from the Chinese Automobile Market, *Working Paper*
- The Value Per Statistical Life in China: Evidence from Medical Expenditure of Senior Citizens, *Working Paper*. Presented at the 2023 JBCA Annual Conference.
- The Value Per Statistical Life: Evidence from Panel Data in China, *Working Paper*

## Book Chapter

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- With Anna Alberini, "Valuing Mortality Risk Reductions: Theory, Practice and Stated Preference Methods", *Handbook of Environmental Valuation* Edited by Tim Haab, Lala Ma and John Whitehead (forthcoming)

## Work History

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### Short-term Consultant, January 2024 - June 2024

The World Bank Group – Washington, DC

Supervisors: Dr. Anna Alberini, Dr. Mariam Hamza and Dr. Reem Alsukait.

- Conducted literature review for existing estimates of the WTP for mortality risk reduction in Middle Eastern countries.
- Managed and cleaned mortality risk data from KSA.
- Collaborated with KSA officials and other world bank employees to initiate a field survey study to elicit the WTP for mortality risk reduction in KSA.

### Research Assistant, June 2021 - August 2023

Energy Institute at Haas/ UMD, College Park, MD

Supervisors: Dr. Louis Preonas, Dr. Fiona Burlig, and Dr. Matt Woerman

- Compiled and constructed a workable dataset from administrative electricity bill data from California and USDA geocoded land data.
- Coded the dynamic discrete choice model with simulation for research analysis.

### Research Intern, December 2022 - February 2023

Health Canada, College Park, MD

Supervisor: Dr. Anna Alberini

- Conducted a comprehensive literature review on original papers concerning the VSL estimates across the world from 2006.
- Assisted with drafting the final report for Health Canada.

### Program Associate, August 2018 - December 2018

Osgood Center for International Studies, D.C.

Supervisor: Dr. Shelton Williams

- Conducted studies and wrote 3 reports on emerging vs. developed financial markets, impacts of China's OCP on retirement planning, and the aging problem in the U.S.

### Research Intern, November 2016 - January 2017

China Banking Regulatory Commission (CBRC), Beijing, China

- Participated in research on the regulatory framework of China's superannuation system.
- Contributed to a report on cross-sector risks of shadow banking activities in China.

### Research Assistant, June 2016 - September 2016

China International Engineering Consulting Corporation, Beijing/Guizhou, China

- Engaged in field work evaluating the land restoration program of rocky desertification in YinJiang, China.

### Assistant, June 2014 - September 2014

Bank of China, Beijing, China

- Provided assistance for asset custody evaluation in collaboration with the management team.

### Research Assistant, June 2013 - September 2013

China Banking Regulatory Commission, Beijing, China

- Collected and compiled field data for a financial support program aimed at promoting urbanization in Heilongjiang.

- Contributed to the program's evaluation report.

## Teaching Experience

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AREC 365: World Hunger, Population and Food Supplied

- Teaching assistant, Undergraduate, Fall 2019

Econ 603: Microeconomic Analysis I

- Teaching assistant, Ph.D. Core, Fall 2020

Econ 604: Microeconomic Analysis II

- Teaching assistant, Ph.D. Core, Spring 2021

AREC 623: Applied Econometrics I

- Teaching assistant, Ph.D. Core, Fall 2023

AREC 624: Applied Econometrics II

- Teaching assistant, Ph.D. Core, Spring 2024

## Professional Service

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Referee for: Energy Economics