

## Yuqi Song

Email: [yuqisong@fas.harvard.edu](mailto:yuqisong@fas.harvard.edu)

Website: <https://ysong7.github.io/>

### Professional Experience

The Hong Kong University of Science and Technology (Guangzhou)      Guangzhou, China  
*Climate Change and Carbon Neutrality (CNCC) Thrust, Society Hub*  
Assistant Professor      From July 2025

Harvard University, The Department of Organismic and Evolutionary Biology      Cambridge, MA  
Associate      From July 2025

Harvard University, The Salata Institute for Climate and Sustainability      Cambridge, MA  
Postdoctoral Fellow      2023-2025

### Education

The University of Chicago, Harris School of Public Policy      Chicago, IL  
Ph.D. in Public Policy Studies      June 2023

The University of Chicago, Booth School of Business      Chicago, IL  
Master of Business Administration      March 2017

Massachusetts Institute of Technology      Cambridge, MA  
Bachelor of Science in Mathematics and Economics      June 2014  
Minor in Chemistry and Management Science

### Areas of Interest

Environmental and Energy Economics, Climate Economics, Chinese Economy, Applied Microeconomics, Development Economics, Labor Economics.

### Publications

“The effect of the end-number license plate driving restriction on reducing air pollution in China”, Yuqi Song, *China Economic Review* 87 (2024): 102252.

“The value of weather forecasts: evidence from labor responses to accurate versus inaccurate temperature forecasts in China”, Yuqi Song, *Journal of Environmental Economics and Management* 125 (2024): 102970.

“Possible underestimation of the coal-fired power plants to air pollution in China”, Zhixiong Weng, Yuqi Song, Cuiyun Cheng, Dan Tong, Meng Xu, Minghao Wang, and Yang Xie, *Resources, Conservation and Recycling* 198 (2023): 107208.

“Forecasting energy demand, structure, and CO<sub>2</sub> emission: a case study of Beijing, China”, Zhixiong Weng, Yuqi Song, Hao Ma, Zhong Ma, and Tingting Liu *Environment, Development and Sustainability* 25, no. 9 (2023): 10369-10391.

“Convergence of eigenvalues to the support of the limiting measure in critical beta matrix models”, Chenjie Fan, Alice Guionnet, Yuqi Song, Andi Wang, *Random Matrices: Theory and Applications* 4, no. 03 (2015): 1550013.

## **Working Papers**

Selection and Over-Crediting in Forest-Based Carbon Offset Projects: A Comparison of Regulated and Voluntary Carbon Markets, with Joseph E. Aldy, N. Michele Holbrook, Xiaojie Gao and Jonathan Thompson.

Forecasts and Adaptation to Smokes: Evidence from Residential Electricity and Water Consumption under Smoke Exposure and Smoke Forecasts in California.

Breaking the Norms: The Environmental and Economic Impacts of Central Environmental Inspections under Local Government-Corporate Collusion in China, with Zhixiong Weng and Qingfeng Liu.

The Value of Accurate Weather Forecasts: Social Sentiment Responses Reflected in Social Media in China (*MIT Center for Real Estate Research Paper 21/20 (2021)*).

Arctic Air-Mass Displacement and Reduced Mid-Latitude Wintertime Temperature Variability under Climate Change, with Ivan Higuera-Mendieta, Amanda Farah, Claire Valva, Jim Franke, Noboru Nakamura and Elisabeth Moyer (*NRT Program in Data Science for Energy and Environmental Research Paper*).

The Development of China's Energy System: An Interpretation Using the Sankey Diagram, with Wenjia Ma, Elisabeth Moyer and Yunzhang Hu.

## **Work in Progress**

Cyclone Forecasts and Electricity Shortage: Evidence from Nightlight Changes Under Forecast Cyclones in Eastern and South-Eastern Asia.

Development and Conservation: Evidence from Desertification and Related Sand Storm Impacts in China, with Claire Fan and Ashton Pallottini.

The Efficiency of Carbon Offset Market and the Role of Rating Firms, with Joseph E. Aldy.

The Value of Accurate Weather Forecasts: The Impacts of Accurate Temperature Forecasts on Road Congestion in China.

## **Fellowship and Honor**

*Salata Institute Postdoctoral Fellowship*, Harvard University, 2023-Present.

*EPIC-China Research Fund*, Energy Policy Institute at the University of Chicago, 2023-Present.

*Harris Public Policy Fellowship for PhD Candidates*, The University of Chicago Harris School of Public Policy, 2018-2023.

*DRW Graduate Fellowship in Economics and Policy*, Energy Policy Institute at the University of Chicago, 2018-2023.

*MIT Sustainable Urbanization Lab Summer Research Paper Fellowship*, MIT Sustainable Urbanization Lab, June 2021-September 2021.

*National Research Traineeship (NRT) Program in Computational Data Science to Advance Research at the Energy-Environment Nexus at the University of Chicago*, National Science Foundation, July 2018-September 2021.

*Phi Beta Kappa*, Massachusetts Institute of Technology Department of Economics, 2014.

### **Research Experience**

#### **Energy Policy Institute at the University of Chicago, China Center (EPIC-China)**

The University of Chicago Beijing Center and Chinese Center for Disease Control and Prevention,  
Beijing, China

*Research Assistant*

June 2019-August 2019

#### **Energy Policy Institute at the University of Chicago (EPIC) Climate Impact Lab**

The University of Chicago, Chicago, IL

*Research Assistant, the EPIC Pre-Doctoral Fellowship Program*

February 2017-August 2018

#### **Department of Economics, Massachusetts Institute of Technology and National Bureau of Economics Research**

Cambridge, MA

*Research Assistant*

May 2012-June 2014

### **Teaching Experience**

The University of Chicago, Harris School of Public Policy

*Teaching Assistant*

January 2020-March 2022

Courses: Cost-Benefit Analysis (for MPP students, Winter 2020, Winter 2021) and Environmental Economics (for MPP and undergraduate students, Spring 2020, Winter 2022).

Environmental Data Science Virtual Bootcamps 2020, The University of Chicago

*Moderator*

September 2020

Course: Statistics for Research.

### **Conference Presentations**

**2025**: AERE Summer Conference, NBER Summer Institute Environmental & Energy Economics (Egg-Timer Sessions).

**2024**: ASSA Annual Conference (Poster), Midwest Economic Association Annual Conference, Eastern Economic Association Annual Conference, Western Economic Association Annual Conference.

**2023**: AERE OSWEET, LSE Environment Week, CU Environmental & Resource Economics Workshop, Xi'an Jiaotong University Jinhe Center for Economic Research Environmental Seminar, CASS PhD Workshop.

**2020-2022**: American Geophysical Union Fall Meeting (2020, Poster), The Second Graduates Forum of the Global Alliance of Universities on Climate (2020), The Third Graduates Forum of the Global Alliance of Universities on Climate (2021, Video Presentation).

### **Review Activity**

*Frontiers of Environmental Science & Engineering; China Economic Review; Econometrica; Climate Change; Journal of Environmental Economics and Management; Humanities and Social Sciences Communications; Scientific Reports.*

### **Skills**

**Language:** Chinese (Mandarin and Cantonese), English.

**Computer:** R, STATA, Matlab, Mathematica, Python, Bash, GIS, Git, Google Cloud, Google Earth Engine, LaTeX, Microsoft Office (WORD, EXCEL, PowerPoint), EXCEL DecisionTools Suite, Keynote, VB, Pascal, Photoshop, JavaScript, HTML, Linux.

**Chemistry Lab:** Titration, Chromatography, Distillation, Crystallization, Extraction.