

# YICHUN SONG

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## EDUCATION

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<b>The Ohio State University</b> PhD in Economics	<u>2017 - 2023</u>
<b>The Ohio State University</b> MA in Economics	<u>2017 - 2018</u>
<b>Vanderbilt University</b> MA in Economics	<u>2014 - 2016</u>
<b>University of International Business and Economics</b> BA in Finance, minor in Information Systems and Management.	<u>2010 - 2014</u>

## WORK EXPERIENCE

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<b>Dongbei University of Finance and Economics, IAER</b> Assistant Professor	<u>2023 – now</u>
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## RESEARCH INTERESTS

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Computational Economics, Industrial Organization, Econometrics.

## WORKING PAPERS

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- (1). Bargaining, Merger, Capacities, and Endogenous Network Formation: the case of power plants and coal companies in the US (**Job Market Paper**)
- (2). A Frisch-Waugh-Lovell Theorem for Empirical Likelihood, with [Adam Dearing](#).
- (3). An Alternating Maximization Approach to Approximate Dynamic Programming, with [Adam Dearing](#).
- (4). QML Estimation of a Spatial Autoregressive Model with Endogenous Heterogeneity, with [Yanli Lin](#) and [Yang Yang](#).
- (5). Addressing endogeneity issues in a SAR model using copulas, with [Yanli Lin](#). Revision request, **Journal of Econometrics**.
- (6). A Semi-Parametric Two-Stage Estimator with Machine Learning to Solve Endogeneity, with [Adam Dearing](#).
- (7). Copula Joint Estimation for Spatial Dynamic Panel Data Models With Endogeneity Issues, with [Yanli Lin](#).

## COMPUTATIONAL NOTES

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- (8). Counterfactual Calculation in Multiple Discrete Continuous Choice with Multiple Budget Constraints.

## WORK IN PROGRESS

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- (9). A Stochastic Algorithm for Non-linear Instrumental Variable Estimation, with Adam Dearing.
- (10). Solve Nested Logit without Predetermined Nests using Market Level Data with Endogeneity.

## AWARDS

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G.S. Maddala Prize in Econometrics, OSU	2022
Department Citation for Excellent Teaching, OSU	2022
Tom Kniesner and Debbie Freund Award, OSU	2020
Department Fellowship, OSU	2017-2018
Outstanding student in GPED, Vanderbilt University	2016

## TEACHING EXPERIENCE

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<b>Recitation Leader, Econometrics II</b> (PhD level)	Spring 2020/Spring 2021/Spring 2022
<b>Recitation Leader, Principle of Microeconomics</b>	Fall 2019/Fall 2021
<b>Recitation Leader, Math Camp</b> (PhD level)	Summer 2019
<b>Grader/Teaching Assistant</b>	Fall 2018/Spring 2019/Fall 2020/Fall 2022

## PRESENTATIONS/INVITED TALKS

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- 2023:** University of Georgia, Terry Business; Texas Tech University, Econ department; Dongbei University of Finance and Economics, IAER.
- 2022:** OSU applied micro seminar; Cleveland State University; AMES Asian Meeting, China; OSU micro lunch; OSU IO workshop.
- 2021:** OSU micro lunch.
- 2019:** OSU IO workshop.

## SKILLS AND LANGUAGE

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Skills: Matlab, Stata, Python, C, SQL, LaTeX, R.

Language: Chinese (native), English (fluent).

## PERSONAL INFORMATION

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Birth date: July 9th, 1992.

Citizenship: China.

## REFERENCES

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### **Dr. Adam Dearing (co-chair)**

Assistant Professor,  
Strategy and Business Economics,  
SC Johnson Graduate School of Management,  
Cornell University.  
**Email:** aed237@cornell.edu  
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### **Dr. Matthew Weinberg (chair)**

Associate Professor,  
Department of Economics,  
The Ohio State University.  
**Email:** weinberg.133@osu.edu,  
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**Dr. Jason Blevins**

Associate Professor,

Department of Economics,

The Ohio State University.

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