

Yue Shan

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EMPLOYMENT

Postdoctoral Research Scholar Feb 2025 – Present

- Department of Agricultural and Resource Economics, North Carolina State University, Raleigh, NC
- Supervisor: Dr. Daniel Tregeagle

Research Assistant Jun 2018 – Jun 2019

- China Center for Agricultural Policy, Peking University, Beijing, China
- Supervisor: Dr. Jikun Huang

EDUCATION

Ph.D. in Economics, North Carolina State University, Raleigh, NC 2019 – 2025

- Dissertation: “*Studies Exploring Impacts of Contemporary Policy and Regulation on U.S. and Global Supply Chains*”
- Committee: Kathryn Boys (Advisor), Heidi Schweizer, Daniel Tregeagle & George List

M.S. in Applied Mathematics, Northeastern University, Boston, MA 2015 – 2017

B.S. in Mathematics and Economics, University of Delaware, Newark, DE 2011 – 2015

RESEARCH FIELDS

Agricultural Economics and International Trade

PUBLICATIONS

Shan, Y., J. H. Han, M. Hoffmann, and D. Tregeagle (2026). “The California Strawberry Nursery Industry: Overview, Challenges, and the Prospects of Controlled Environment Agriculture.” *International Journal of Fruit Science*, 26(1). DOI: 10.1080/15538362.2026.2614139.

WORKING PAPERS

“*The Welfare Effects of Controlled Environment Agriculture Propagation in the Strawberry Nursery Industry*,” with Jung Hoon Han & Daniel Tregeagle, R&R at **Journal of Agricultural and Resource Economics**

“*Driving Under Pressure: Examining the Relationship Between Facility Detention and Truck Speed Patterns*,” with Heidi Schweizer, George List & Kathryn Boys, Under Review at **Transport Policy**

“*Examining the Impacts of The Belt and Road Initiative on Global Trade*,” with Kathryn Boys

“*The Unexamined Effects of China’s Belt and Road FDI for Recipient Countries*,” with Kathryn Boys

WORKS IN PROGRESS

“*Analyzing the Determinants Underlying Exports of Major Agricultural Commodities from African Countries to China*,” with Siying Jia & Yu Sheng

“*Analyzing the Exports of Chicken Paws from the U.S. to China*,” with Kathryn Boys

“*Costs and Returns for Controlled Environment Agriculture in the Strawberry Nursery System*,” with Daniel Tregeagle

EXTENSION PUBLICATIONS & INDUSTRY OUTREACH

“California vs Canada Contrasting Nursery Operations,” with Daniel Tregeagle, Mark Hoffmann **PIP-CAP Newsletter**, Volume 2, Issue 3, (2026)

“Advancing the U.S. Strawberry Nursery Industry,” with Daniel Tregeagle, **PIP-CAP Newsletter**, Volume 2, Issue 1, (2025)

Contributed the section “Understanding the Relationship between Detention and Truck Speeds,” (pp. 30–34) in Leslie, A. & Murray, D. (2024). “Costs and Consequences of Truck Driver Detention: A Comprehensive Analysis,” American Transportation Research Institute

Graduate student contributor for educational video “How Can Farmers Export Grain Out of NC?” Written by Jenny Carleo, NC State Extension (2022)

RESEARCH EXPERIENCE

Research Assistant for Dr. Heidi Schweizer & Dr. Daniel Tregeagle, NC State University, Raleigh, NC 2022 – 2024

- Development and Integration of Next-Generation Propagation Strategies to Increase the Resilience of the US Strawberry Supply Chain
- Railroad Management Philosophy and Service Provision: Heterogeneous Impacts of Precision Scheduled Railroading on Service Quality

Research Assistant for Prof. Jikun Huang, Peking University, Beijing, China 2018 – 2019

- Identifying and Prioritizing Policies for Engaging African Smallholder Farmers in Agricultural Trade with China
- Research on Industrialization and Commercialization of Genetic Modified Crops in China

FIELD EXPERIENCE

U.S.: Met with and interviewed strawberry nursery industry stakeholders in California 2022 & 2024

Africa: Participated in interviews with China’s leading importers of African agricultural commodities and small farmers in Ethiopia and Tanzania 2019

China: Conducted interviews with farming households, gathering household-level data on farm production and income; trained field investigators in Liaoning Province as part of a national rural household survey covering eight provinces 2018

TEACHING EXPERIENCE

Instructor, NC State University 2021

- Fundamentals of Economics (EC 205): Fall 2021
- Independently designed and taught approximately 90 students enrolled in two sections
- In-person

Lab Instructor, NC State University 2020-2021

- Principles of Microeconomics (EC 201): Spring 2020, Fall 2020, Spring 2021
- Taught approximately 80 students enrolled in three sections for each semester
- Hybrid delivery

Graduate Teaching Assistant, NC State University 2019

- Agricultural Financial Management: Fall 2019
- Intermediate Microeconomics: Fall 2019
- Introduction to Agricultural & Resource Economics: Fall 2019

FELLOWSHIPS, AWARDS AND GRANTS

Graduate Student Travel Grant, NC State University	2023 -2024
Andrew & Thelma Bartley Endowment Scholarship, NC State University	2020-2021
Toussaint Scholarship, NC State University	2019

PRESENTATIONS

Poster Presentation Selected for AAEA Annual Meeting (New Orleans)	2024
• “Examining the Impacts of the Belt and Road Initiative on Global Trade,” with Kathryn Boys	
Paper Presentation Selected for AAEA Annual Meeting (Washington, DC)	2023
• “The Unexamined Effects of China’s Belt and Road FDI for Recipient Countries,” with Kathryn Boys	
Poster Presentation Selected for Transportation Research Forum (Chicago)	2023
• “Did the Hours of Service (HOS) Changes Modify the Refrigerated Truck Behavior?”	

SERVICE

Social Committee Member, Economics Graduate Student Association, NC State University

OTHER INFORMATION

Software: R, SAS, Stata, MATLAB, Python, ArcGIS, NVivo

Language: English (fluent), Chinese (native)

REFERENCES

Prof. Kathryn Boys (Advisor)
Associate Professor
Dept. of Agricultural & Resource Economics
NC State University, Raleigh, NC
kaboys@ncsu.edu

Prof. Daniel Tregagle (Current Supervisor)
Assistant Professor & Extension Specialist
Dept. of Agricultural & Resource Economics
NC State University, Raleigh, NC
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Prof. Jikun Huang (Former Supervisor)
Professor
School of Advanced Agricultural Sciences
Peking University, Beijing, China
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Prof. George List
Professor
Dept. of Civil, Construction, and Environmental Engineering
NC State University, Raleigh, NC
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