



SHUO YU

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Doctoral Studies University of California, Berkeley
Ph.D., Agricultural and Resource Economics, Expected completion May 2026

PRIMARY FIELDS: Agricultural Economics
SECONDARY FIELDS: Environmental and Energy Economics, Empirical Industrial Organization

Prior Education Cornell University M.S. Applied Economics and Management 2019
University of International Business and Economics B.A. Economics & B.A. Accounting 2017

Job Market Paper “Social Returns to Conservation: Incentives for Cover Crops and Water Quality in the Midwest”
(JOB MARKET PAPER) *[Draft forthcoming]*

Working Papers “Short-Term Impact of the Trade War on U.S. Agricultural Commodities Futures Prices”
[Draft available upon request]

“Proactive Adaptation to Wildfires: Evidence from California Cities” with Wei Guo, Shan Zhou, and Qing Miao *[Draft available upon request]*

Publication **Yu, Shuo***, Nicola Falco, Nivedita Patel, Yuxin Wu, and Haruko Wainwright. "Diverging climate response of corn yield and carbon use efficiency across the US." *Environmental Research Letters* 18, no. 6 (2023): 064049. ([Open Access Version](#))
* First and Corresponding Author

Research in Progress “Designing Insurance for Climate Change: The Case of the U.S. Federal Crop Insurance Program” with Francis Annan, Shresth Garg, and Sagar Saxena. *[Writing Draft]*

“Optimal Management of Spotted Wing Drosophila in U.S. Blueberry Production: A Dynamic Structural Model with Unobserved Heterogeneity” with Miguel I. Gómez, Philip Fanning, Rufus Isaacs, Sergio Puerto Gonzalez, and C.-Y. Cynthia Lin Lawell. *[Model development]/[Draft available upon request]*

“Paying Smallholder Farmers to Increase Carbon Sequestration by Changing Agricultural Practices: Evidence from Odisha” with Aprajit Mahajan and Sayantan Mitra. *[Pilot completed; RCT scheduled Nov 2025]*

“Cover Crop Detection in the Midwest with Satellite Data” with Kangogo Sogomo, Yanghui Kang, Lawson Connor, Brookie Guzder-Williams, and Timothy Bowles. *[Writing draft]*

“Siting Solar on Farms: Land Use Tradeoffs and Agricultural Impacts” with Sara Johns. *[Analysis in progress]*

Grants, Fellowships, and Awards	2025	ARE Travel Grant	\$2,700
		AAEA Section Travel Grant	\$500
		Giannini Mini-Grant (Co-PI with Jeffrey Perloff)	\$35,000
	2024	UC Berkeley Opportunity Lab Fellowship	\$7,500
		J-PAL K-CAI Full-scale Randomized Evaluations (Co-PI with Aprajit Mahajan and Sayantan Mitra)	\$225,000
		Giannini Mini-Grant (Co-PI with Jeffrey Perloff)	\$20,000
		PEDL Climate Change Exploratory Research Grant (Co-PI with Aprajit Mahajan and Sayantan Mitra)	£35,480
		Graduate Division Conference Travel Grant ×2	\$1,800
		AAEA PC52 Post Conference Workshop Travel Grant	\$1,000
	2023	CEGA Development Economics Challenge Grant	\$8,027
Teaching		The Katherine S. and James K. Lau Graduate Fellowship in Climate Equity	\$2,200
		Bioversity International CGIAR (Co-PI with Aprajit Mahajan and Sayantan Mitra)	\$50,452
		Giannini Mini-Grant (Co-PI with Francis Annan)	\$35,000
	2022	ARE Giannini Fellowship	\$23,635
		ARE Data Grant	\$897
		ARE Graduate Student Travel Grant	\$1,500
		J-PAL ATAI Pilot Grant (Co-PI with Aprajit Mahajan and Sayantan Mitra)	\$74,830
		Giannini Mini-Grant (Co-PI with Ellen Bruno)	\$30,000
	2021	J-PAL K-CAI Pilot Grant (Co-PI with Aprajit Mahajan and Sayantan Mitra)	\$74,991
		Giannini Mini-Grant (Co-PI with Jeffrey Perloff and Sara Johns)	\$30,000
Earlier	2020	Graduate Remote Instruction Innovation Fellowship	\$2,000
		ARE Summer Award	\$4,000
		Giannini Mini-Grant (Co-PI with Jeffrey Perloff)	\$30,000
	2019	Graduate Division Power Top-Off Awards	\$3,500
		National Scholarship (\$1,220)	
		First-class Scholarship (×4)	\$920
		Honorable Mention in Mathematical Contest in Modeling	
		University Outstanding Student Leader Award	
		University Outstanding Project Award	
UC Berkeley		Advanced Topics in Environmental and Resource Economics	2025
		GSI for Professor Aaron Smith	
		Introductory Applied Econometrics	2023
		GSI for Professor Aprajit Mahajan	
UC Berkeley		Microeconomic Theory with Application to Natural Resources	2021
		GSI for Professor Jeffrey Perloff	

Talks	2025	WU Vienna University of Economics and Business, Research Seminar in Economics (Vienna, Austria)* SEA Annual Meeting (New Orleans, LA)* Heartland Environmental and Resource Economics Workshop (University of Illinois, Urbana-Champaign, Champaign, IL) INFORMS Annual Meeting, Job Market Showcase Cluster (Atlanta, GA) University of San Francisco, Economics Seminar Series (San Francisco, CA) Camp Resources XXXI (Asheville, NC) AAEA & WAEA Joint Annual Meeting (Denver, CO) WEAI Annual Conference (San Francisco, CA) AERE Annual Summer Conference (Santa Ana Pueblo, NM) Summer School on Environmental Data Collection and Analysis for the Social Sciences (École Polytechnique, Paris, France) Leo Simon ANR Seminar (UC Berkeley, Department of Agricultural and Resource Economics) Resilient Community Food Systems Conference (UC Berkeley) CES North American Conference (University of Michigan, Ross School of Business, Ann Arbor, MI) EREE Student Workshop (UC Berkeley, Department of Agricultural and Resource Economics)
	2024	Invited Guest Lecture, Graduate Course in Agricultural Economics (Auburn University) EEE-fest (UC Berkeley) AAEA Annual Meeting (New Orleans, LA) NAREA Annual Meeting (Rehoboth Beach, DE) Interdisciplinary Workshop in Sustainable Development (Columbia University, New York, NY) Giannini Foundation of Agricultural and Resource Economics Student Conference (UC Berkeley) EREE Student Workshop (UC Berkeley, Department of Agricultural and Resource Economics)
	2023	Giannini Foundation of Agricultural and Resource Economics Student Conference (UC Davis)
	2020	AGU Fall Meeting (San Francisco, CA)

*Scheduled

Research Experience	UC Berkeley, Graduate Student Researcher (Francis Annan)	2023 - 2024
	UC Berkeley, Graduate Student Researcher (Aprajit Mahajan)	2023
	UC Berkeley, Graduate Student Researcher (Ellen Bruno)	2022 - 2023
	UC Berkeley, Graduate Student Researcher (Jeffrey M. Perloff)	2019 - 2022
	Lawrence Berkeley National Laboratory, Graduate Student Researcher (Haruko Wainwright)	2020 - 2021
	Cornell University, Graduate Research Assistant (Miguel I. Gómez)	2018 - 2019
	Cornell University, Graduate Research Assistant (C.-Y. Cynthia Lin Lawell)	2018 - 2019
	Cornell University, Graduate Research Assistant (David R. Just)	2017
	University of International Business and Economics, Research Assistant (Wei Tian)	2015 - 2016

Refereeing 2025 AAEA & WAEA Joint Annual Meeting, AERE 2025 Summer Conference, AERE-SEA 2025 Annual Meeting, BioResources, Artificial Intelligence for the Earth Systems

Service	2024 - 2025	Undergraduate Honors Thesis Advisor: Kavina T. Peters, EEP Major, UC Berkeley
	2024 - 2025	Mentor: Energy and Environmental Economics Mentoring Program , Opportunity Lab and Energy Institute at Haas School of Business, UC Berkeley
	2023 - 2024	Co-Organizer: 14th and 15th Annual Giannini Foundation of Agricultural and Resource Economics Student Conference
	2023 - 2024	Mentor: Sponsored Projects for Undergraduate Research (SPUR)
	2023 - 2024	Mentor: IRLE Social Sciences Research Pathways (SSRP)
	2022 - 2023	ARE PhD Admissions Committee

Skills Python, R, Google Earth Engine, QGIS, Stata, Latex

References	<p><u>Professor Jeffrey Perloff (Chair)</u> <u>jperloff@berkeley.edu</u> +1 (510) 390-4720 Department of Agricultural & Resource Economics</p> <p><u>Professor Aaron Smith</u> aaronsmith@berkeley.edu Department of Agricultural & Resource Economics</p> <p><u>Professor Brian Wright</u> bwright@berkeley.edu +1 (510) 642-3345 Department of Agricultural & Resource Economics</p>	<p><u>Professor Joseph S. Shapiro</u> <u>joseph.shapiro@berkeley.edu</u> +1 (510) 859-4551 Department of Agricultural & Resource Economics</p> <p><u>Professor Aprajit Mahajan</u> <u>aprajit@gmail.com</u> +1 (650) 308-8137 Department of Agricultural & Resource Economics</p>	
Placement Officers	<p><u>Professor Sofia Villas-Boas</u> <u>sberto@berkeley.edu</u> +1 (510) 409-4341</p>	<p><u>Professor Marco Gonzalez-Navarro</u> <u>marcog@berkeley.edu</u> +1 (510) 642-3345</p>	<p><u>Diana Lazo</u> <u>lazo@berkeley.edu</u> +1 (510) 642-3345</p>