



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”
([Working Paper](#))

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 ([Working Paper](#))

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 and empirical analysis in progress*]

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

“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		Weiss Fund for Research in Development Economics	\$49,911
	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
		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
	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
	Earlier	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	
Teaching	UC Berkeley	Agricultural and Environmental Policy	2026
		GSI for Professor Aaron Smith	
	UC Berkeley	Advanced Topics in Environmental and Resource Economics	2025
		GSI for Professor Aaron Smith	
	UC Berkeley	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	2026	Agricultural Economics Workshop, UC Davis (Davis, CA)* AERS Department Seminar, University of Idaho (virtual)*
	2025	Economics Seminar, WU Vienna University of Economics and Business (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) Economics Seminar, University of San Francisco (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 (Berkeley, CA) Resilient Community Food Systems Conference, UC Berkeley (Berkeley, CA) CES North American Conference, University of Michigan (Ann Arbor, MI) EREE Student Workshop, UC Berkeley (Berkeley, CA)
	2024	Invited Guest Lecture, Graduate Course in Agricultural Economics, Auburn University (virtual) Environmental and Energy Economics Research Festival, UC Berkeley (Berkeley, CA) 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 (Berkeley, CA) EREE Student Workshop, UC Berkeley (Berkeley, CA)
	2023	Giannini Foundation of Agricultural and Resource Economics Student Conference, UC Davis (Davis, CA)
	2020	AGU Fall Meeting (San Francisco, CA)
	<i>*Scheduled</i>	
Research Experience	2025 - 2026	UC Berkeley, Graduate Student Researcher (Jeffrey M. Perloff)
	2023 - 2024	UC Berkeley, Graduate Student Researcher (Francis Annan)
	2023	UC Berkeley, Graduate Student Researcher (Aprajit Mahajan)
	2022 - 2023	UC Berkeley, Graduate Student Researcher (Ellen Bruno)
	2019 - 2022	UC Berkeley, Graduate Student Researcher (Jeffrey M. Perloff)
	2020 - 2021	Lawrence Berkeley National Laboratory, Graduate Student Researcher (Haruko Wainwright)
	2018 - 2019	Cornell University, Graduate Research Assistant (Miguel I. Gómez)
	2018 - 2019	Cornell University, Graduate Research Assistant (C.-Y. Cynthia Lin Lawell)
	2017	Cornell University, Graduate Research Assistant (David R. Just)
	2015 - 2016	University of International Business and Economics, Research Assistant (Wei Tian)
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>