

SHUO YU**Contact
Information**

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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

Professor Jeffrey Perloff
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Department of Agricultural
& Resource Economics

Professor Joseph S. Shapiro
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Department of Agricultural
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Professor Aaron Smith
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Department of Agricultural
& Resource Economics

Professor Brian Wright
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Department of Agricultural
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**Placement
Officers**

Professor Sofia Villas-Boas
sberto@berkeley.edu
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Professor Marco Gonzalez-Navarro
marcog@berkeley.edu

Diana Lazo
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+1 (510) 642-3345

**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: EQIP, 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*]

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 under Climate Change” with Francis Annan and Sagar Saxena. *[Model development stage]*

“Sitting Solar on Farms” with Sara Johns. *[Analysis stage]*

“Optimal SWD Management in Michigan and North Carolina Blueberry: 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 stage][Draft available upon request]*

“Paying Smallholder Farmers to Increase Carbon Sequestration by Changing Agricultural Practices: Evidence from Odisha” with Aprajit Mahajan and Sayantan Mitra. *[piloting completed, full RCT to start in June 2025]*

“Harmonizing Soil Carbon Science and Policy to Meet Climate Goals” with Pranjal Dwivedi, Micah Elias, Allegra Mayer, Charlotte Kwong, Anna Abramova, Tyler Anthony, Tibisay Perez, Vrashabh Kapate, Sangcheol Moon, Jacqueline Gerson, and Whendee Silver. *[Writing stage]*

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

Teaching

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	

Grants, Fellowships, and Awards

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), AAEE 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 (with Aprajit Mahajan and Sayantan Mitra, \$50,452), Giannini Mini-Grant (Co-PI with Francis Annan, \$35,000)
2022	J-PAL ATAI Pilot Grant (Co-PI with Aprajit Mahajan and Sayantan Mitra, \$74,830), ARE Graduate Student Travel Grant (\$1,500), 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

Talks	2025	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 (Department of Agricultural and Resource Economics, UC Berkeley)
		Resilient Community Food Systems Conference (UC Berkeley)
		CES North American Conference (Ross School of Business, University of Michigan)
		EREE Student Workshop (Department of Agricultural and Resource Economics, UC Berkeley)
	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 PhD Workshop in Sustainable Development (Columbia University)
		Giannini Foundation of Agricultural and Resource Economics Student Conference (UC Berkeley)
Refereeing	2023	EREE Student Workshop (Department of Agricultural and Resource Economics, UC Berkeley)
	2023	Giannini Foundation of Agricultural and Resource Economics Student Conference (UC Davis)
	2020	AGU Fall Meeting (San Francisco, CA)
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