SHUO YU

Contact Information
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Doctoral Studies

University of California, Berkeley
Ph.D., Agricultural and Resource Economics, Expected completion May 2025

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

Professor Jeffrey Perloff	Professor Joseph S. Shapiro
jperloff@berkeley.edu	joseph.shapiro@berkeley.edu
+1 (510) 390-4720	+1 (510) 859-4551
Department of Agricultural & Resource Economics	Department of Agricultural & Resource Economics
Professor Brian Wright	Professor Aprajit Mahajan
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Department of Agricultural & Resource Economics	Department of Agricultural & Resource Economics

Placement Officers

Professor Sofia Villas-Boas	Professor Max Auffhammer	Diana Lazo
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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

"Payments for Ecosystem Services and Water Quality in the Midwest U.S." (JOB MARKET PAPER)
[Draft forthcoming]

Publication

Shuo Yu*, 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(6), p.064049.(Open Access Version)
* First and Corresponding Author

Working Papers

"Short-Term Impact of the Trade War on U.S. Agricultural Commodities Futures Prices" *[Draft available upon request]*

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 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]*

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 (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 (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

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Teaching

UC Berkeley	**Introductory Applied Econometrics** GSI for Professor Aprajit Mahajan	2023
UC Berkeley	**Microeconomic Theory with Application to Natural Resources** GSI for Professor Jeffrey Perloff	2021

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

Talks	2024	2024 Agricultural and Applied Economics Association Annual Meeting, 2024 Northeastern Agricultural and Resource Economics Association Annual Meeting, Interdisciplinary PhD Workshop in Sustainable Development (Columbia University), Giannini Foundation of Agricultural and Resource Economics Student Conference (UC Berkeley)
	2023	Giannini Foundation of Agricultural and Resource Economics Student Conference (UC Davis)
	2020	AGU Fall Meeting (San Francisco)

Refereeing	*BioResources, Artificial Intelligence for the Earth Systems*

Service	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

Languages	Mandarin (native), English (fluent)