

**SHUO YU****Contact  
Information**

207 Giannini Hall, UC Berkeley, Berkeley, CA 94720  
[shuoy@berkeley.edu](mailto:shuoy@berkeley.edu)  
[Personal Website](#)  
+1 (626) 241-3271

**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  
[jperloff@berkeley.edu](mailto:jperloff@berkeley.edu)  
+1 (510) 390-4720  
Department of Agricultural  
& Resource Economics

Professor Joseph S. Shapiro  
[joseph.shapiro@berkeley.edu](mailto:joseph.shapiro@berkeley.edu)  
+1 (510) 859-4551  
Department of Agricultural  
& Resource Economics

Professor Aaron Smith  
[aaronsmith@berkeley.edu](mailto:aaronsmith@berkeley.edu)  
Department of Agricultural  
& Resource Economics

Professor Brian Wright  
[bwright@berkeley.edu](mailto:bwright@berkeley.edu)  
+1 (510) 642-3345  
Department of Agricultural  
& Resource Economics

**Placement  
Officers**

Professor Sofia Villas-Boas  
[sberto@berkeley.edu](mailto:sberto@berkeley.edu)  
+1 (510) 409-4341

Professor Marco Gonzalez-Navarro  
[marcog@berkeley.edu](mailto:marcog@berkeley.edu)  
+1 (510) 642-3345

Diana Lazo  
[lazo@berkeley.edu](mailto:lazo@berkeley.edu)  
+1 (510) 642-3345

**Prior  
Education**

|   |                                       |      |
|---|---------------------------------------|------|
| <b>Cornell University</b>                                 | M.S. Applied Economics and Management | 2019 |
| <b>University of International Business and Economics</b> | 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 | <b>Advanced Topics in Environmental and Resource Economics</b>    | 2025 |
|             | GSI for Professor Aaron Smith                                     |      |
| UC Berkeley | <b>Introductory Applied Econometrics</b>                          | 2023 |
|             | GSI for Professor Aprajit Mahajan                                 |      |
| UC Berkeley | <b>Microeconomic Theory with Application to Natural Resources</b> | 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), AAEEA 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  |

|                   |   |  |
|-------------------|---|--|
| <b>Talks</b>      | 2025  | WEAI Annual Conference (San Francisco, CA)<br>AERE Annual Summer Conference (Santa Ana Pueblo, NM)<br>Summer School on Environmental Data Collection and Analysis for the Social Sciences (École Polytechnique, Paris, France)<br>Leo Simon ANR Seminar (Department of Agricultural and Resource Economics, UC Berkeley)<br>Resilient Community Food Systems Conference (UC Berkeley)<br>CES North American Conference (Ross School of Business, University of Michigan)<br>EREE Student Workshop (Department of Agricultural and Resource Economics, UC Berkeley) |
|                   | 2024  | Invited Guest Lecture (Graduate Course in Agricultural Economics, Auburn University)<br>EEE-fest (UC Berkeley)<br>AAEA Annual Meeting (New Orleans, LA)<br>NAREA Annual Meeting (Rehoboth Beach, DE)<br>Interdisciplinary PhD Workshop in Sustainable Development (Columbia University)<br>Giannini Foundation of Agricultural and Resource Economics Student Conference (UC Berkeley)<br>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)   |
|                   |   |  |
|                   |   |  |
|                   |   |  |
|                   |   |  |
|                   |   |  |
|                   |   |  |
|                   |   |  |
|                   |   |  |
|                   |   |  |
| <b>Refereeing</b> | 2025 AAEA & WAEA Joint Annual Meeting, AERE 2025 Summer Conference, AERE-SEA 2025 Annual Meeting, BioResources, Artificial Intelligence for the Earth Systems |  |
| <b>Service</b>    | 2024 - 2025   | Undergraduate Honors Thesis Advisor: Kavina T. Peters, EEP Major, UC Berkeley  |
|                   | 2024 - 2025   | Mentor: <a href="#">Energy and Environmental Economics Mentoring Program</a> , Opportunity Lab and Energy Institute at Haas School of Business, UC Berkeley  |
|                   | 2023 - 2024   | Co-Organizer: <a href="#">14th</a> and <a href="#">15th</a> Annual Giannini Foundation of Agricultural and Resource Economics Student Conference   |
|                   | 2023 - 2024   | Mentor: <a href="#">Sponsored Projects for Undergraduate Research (SPUR)</a>   |
|                   | 2023 - 2024   | Mentor: <a href="#">IRLE Social Sciences Research Pathways (SSRP)</a>  |
|                   | 2022 - 2023   | ARE PhD Admissions Committee   |
| <b>Skills</b>     | Python, R, Google Earth Engine, QGIS, Stata, Latex  |  |