

**SHUO YU**

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| <b>Contact Information</b>  | 207 Giannini Hall, UC Berkeley, Berkeley, CA 94720<br><a href="mailto:shuoy@berkeley.edu">shuoy@berkeley.edu</a><br><a href="https://shuoy528.github.io/">https://shuoy528.github.io/</a><br>+1 (626) 241-3271  |                                       |      |
| <b>Doctoral Studies</b>     | University of California, Berkeley<br>Ph.D., Agricultural and Resource Economics, Expected completion May 2026<br><br>PRIMARY FIELDS: Agricultural Economics<br>SECONDARY FIELDS: Environmental and Energy Economics, Empirical Industrial Organization   |                                       |      |
| <b>Prior Education</b>      | Cornell University  | M.S. Applied Economics and Management | 2019 |
|                             | University of International Business and Economics  | B.A. Economics & B.A. Accounting      | 2017 |
| <b>Job Market Paper</b>     | “Social Returns to Conservation: Incentives for Cover Crops and Water Quality in the Midwest”<br>(JOB MARKET PAPER) <i>[Draft forthcoming]</i>  |                                       |      |
| <b>Working Papers</b>       | “Short-Term Impact of the Trade War on U.S. Agricultural Commodities Futures Prices”<br><i>[Draft available upon request]</i>   |                                       |      |
| <b>Publication</b>          | <b>Yu, Shuo*</b> , Nicola Falco, Nivedita Patel, Yuxin Wu, and Haruko Wainwright. "Diverging climate response of corn yield and carbon use efficiency across the US." <i>Environmental Research Letters</i> 18, no. 6 (2023): 064049. <a href="#">(Open Access Version)</a><br>* <i>First and Corresponding Author</i>  |                                       |      |
| <b>Research in Progress</b> | “Designing Insurance for Climate Change: The Case of the U.S. Federal Crop Insurance Program” with Francis Annan, Shresth Garg, and Sagar Saxena. <i>[Writing Draft]</i><br><br>“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. <i>[Model development][Draft available upon request]</i><br><br>“Paying Smallholder Farmers to Increase Carbon Sequestration by Changing Agricultural Practices: Evidence from Odisha” with Aprajit Mahajan and Sayantan Mitra. <i>[Pilot completed; RCT scheduled Nov 2025]</i><br><br>“Cover Crop Detection in the Midwest with Satellite Data” with Kangogo Sogomo, Yanghui Kang, Lawson Connor, Brookie Guzder-Williams, and Timothy Bowles. <i>[Writing draft]</i><br><br>“Siting Solar on Farms: Land Use Tradeoffs and Agricultural Impacts” with Sara Johns. <i>[Analysis in progress]</i> |                                       |      |

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| <b>Grants,<br/>Fellowships,<br/>and Awards</b> | 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   |           |
| <b>Teaching</b>                                | 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  |           |

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|-------------|--|---|---|-------------|
| Talks       | 2025   | WU Vienna University of Economics and Business, Research Seminar in Economics (Vienna, Austria)*<br>SEA Annual Meeting (New Orleans, LA)*<br>Heartland Environmental and Resource Economics Workshop (University of Illinois, Urbana-Champaign, Champaign, IL)<br>INFORMS Annual Meeting, Job Market Showcase Cluster (Atlanta, GA)<br>University of San Francisco, Economics Seminar Series (San Francisco, CA)<br>Camp Resources XXXI (Asheville, NC)<br>AAEA & WAEA Joint Annual Meeting (Denver, CO)<br>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 (UC Berkeley, Department of Agricultural and Resource Economics)<br>Resilient Community Food Systems Conference (UC Berkeley)<br>CES North American Conference (University of Michigan, Ross School of Business, Ann Arbor, MI) |   |             |
|             | 2024   | EREE Student Workshop (UC Berkeley, Department of Agricultural and Resource Economics)<br>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 Workshop in Sustainable Development (Columbia University, New York, NY)<br>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: <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  |   |             |
| Skills      | Python, R, Google Earth Engine, QGIS, Stata, Latex |   |   |             |

**References**

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