

Joel Ferguson

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EDUCATION

PhD, Agricultural and Resource Economics August 2018 – August 2023 (Expected)

University of California, Berkeley; Berkeley, CA
Fields: Development Economics, Economic Geography, Trade, Environmental Economics
Designated Emphasis: Development Engineering
Advisor: Marco Gonzalez-Navarro

MS, Agricultural and Resource Economics August 2018 – May 2020

University of California, Berkeley; Berkeley, CA
Major Field: Development Economics, Minor Field: International Economics

BS, Economics August 2012 – May 2016

Tulane University; New Orleans, LA

PEER-REVIEWED PUBLICATIONS

"Marketing and Technology Adoption and Diffusion" (with Amir Heiman, David Zilberman), *Applied Economics: Perspectives & Policy* 42(1) (2020)

WORKS IN PROGRESS

"Climate and Conflict in General Equilibrium"

"Unlocking the Chinese Miracle with Historical Satellites" (with Oliver Kim)

"How Larger are the Environmental Benefits of Sustainable Agriculture? Evidence from Mexico" (with Bram Govaerts)

"Predicting Maize Yields at Large Scale Using Remote Sensing" (with James Sayre and Kangogo Sogomo)

GRANTS AND FELLOWSHIPS

STEG PhD Research Grant (w/ Oliver Kim, 14,989 GBP)	2022
Fisher Center PhD Research Grant (w/ Oliver Kim, \$15,000)	2022
Clausen Center PhD Research Grant (w/ Oliver Kim, \$5,000)	2022
Emergent Ventures (w/ Oliver Kim, \$20,000)	2022
CEGA Development Challenge Grant (w/ Oliver Kim, \$14,000)	2021
InFEWS NSF Fellowship Funding (\$34,000 + 1 year tuition & fees)	2020
Federal Language and Area Studies Fellowship (Brazil; \$10,000)	2014

OTHER PUBLICATIONS

"How Much Will Air Quality Improve Thanks to the San Joaquin Valley Agricultural Burning Ban?", *ARE Update* 26(4) (2023)

"Incorporating High-Frequency Weather Data into Consumption Expenditure Predictions" (with Anders Christensen and Simón Ramírez Amaya), *NeurIPS ML4D Proceedings* (2021)

"Energy Prices, the Financial Crisis, and their Implications for Land Policies in California" (with JunJie Wu, Steven Sexton, David Zilberman) , *ARE Update* 22(6) (2019)

WORK EXPERIENCE

Economist Intern at Amazon June 2022 – September 2022

RESEARCH EXPERIENCE

Research Assistant for Solomon Hsiang January 2023 – August 2023

Research Assistant for Elisabeth Sadoulet January 2023 – August 2023, January 2020 – August 2020

Research Assistant at BITSS January 2022 – May 2022, January 2020 – August 2020

Research Assistant for David Zilberman June 2019 – December 2019

Research Assistant for Edward Miguel May 2019 – August 2019

Research Fellow (full time) For Daniel Kessler November 2016 – July 2018

Research Assistant for Sean Higgins August 2016 – June 2017

TEACHING EXPERIENCE

TA for ARE 210: PhD Probability and Statistics Fall 2021, 2022

TA for ARE 213: PhD Applied Econometrics and Causal Inference Fall 2021, 2022

AWARDS AND HONORS

InFEWS Fellowship 2019

Summa Cum Laude Graduation Honors 2016

Tulane Undergraduate Mathematical Economics Award 2016

Phi Beta Kappa Honor Society 2016

PRESENTATIONS AND WORKSHOPS

Measuring Development (May 2023), The Workshop on Environmental Economics and Data Science (Oct. 2022), Machine Learning in Economics Summer Institute (Aug. 2022), CEGA Global Workshop (Mar. 2022), NeurIPS ML4D (Dec. 2021), AERE Summer Conference (Jun. 2021), CGIAR SPIA Webinar Series (May 2021), Pacific Conference for Development Economics (Mar. 2021), OSWEET (Feb. 2021), Young Economist Symposium (Aug. 2020), Giannini Foundation of Agricultural and Resource Economics Student Conference (Apr. 2020)

PROFESSIONAL AFFILIATIONS

Association of Environmental and Resource Economists, Agricultural and Applied Economics Association

SERVICE

Giannini Agricultural and Resource Economics Student Conference Co-Organizer	2022
Berkeley Economists for Equity High School Outreach Committee	2021-2022
UC Berkeley ARE Faculty Search Committee Student Representative	2021-2022
UC Berkeley ARE PhD Admissions Committee	2020-2021
UC Berkeley ARE Diversity, Equity, and Inclusion Undergraduate Outreach Subcommittee	2020-Present
InFEWS Student Council	2020-2022

REFEREEING

Journal of Health Economics, Journal of Development Economics

SKILLS

Python, R, Google Earth Engine, QGIS, Stata, SQL/POSTGRES, \LaTeX