Zhuo (Jessica) Lyu

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Education

Ph.D. Economics, University of California, Davis (**UC Davis**). September 2021 - June 2027 (expected).

Fields: Energy and Environmental Economics (EEE), Applied Microeconomics, Economic History.

Graduate Exchange Program, UC Berkeley Agricultural and Resource Economics, January-May 2023.

M.A. Public Policy with Certificate in Research Methods, University of Chicago (**UChicago**). Graduate with Honors. September 2019 - December 2020.

B.A. Economics, Honors Bachelor's Degree, University of International Business and Economics (**UIBE**). September 2015 - June 2019.

PhD Dissertation Committee

Professor James Bushnell
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Professor Katherine Eriksson
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Professor Erich Muehlegger
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Research

Electricity Transmission Lines and Land Development in the Pacific Northwest (Job Market Paper)

Effects of Charging and Discharging of Battery Storage on California's Wholesale Electricity Prices (working paper)

Work in Progress

Transmission Outages, Wholesale Electricity Prices, and Interregional Transfer Capability (preliminary draft available)

Storm Recovery and Grid Resiliency (with Niaoniao You)

Research and Professional Experience

California Independent System Operator (CAISO) Summer intern in Market Policy and Development (MPD). June-August 2024.

UC Davis Graduate Student Researcher (GSR/RA) for James Bushnell. 2022-2024.

UChicago RA for Fiona Burlig, Yana Gallen, and Eyal Frank. 2020

Tsinghua University Intern at the Center for Energy Transition and Social Development. Spring 2021.

Peking University RA at Institute of New Structural Economics. 2018-2019.

Fellowships and Awards

UC Davis Department of Economics Nonresident Tuition Fellowship, 2021-2026. Travel Awards, Spring 2026, Fall 2024, and Fall 2022. Research Award, Summer 2025.

Western Power Trading Forum Graduate Fellowship, Winter 2024. ($10,000)

UChicago DWR Graduate Fellowship at Energy Policy Institute (EPIC), Summer 2020. UChicago Harris School of Public Policy Merit Scholarship, 2019-2020. ($10,000)

UIBE School of International Trade Outstanding Student Award, 2017-2018.

Teaching Experience

UC Davis, Department of Economics. Teaching assistant (TA) for

Energy Economics (James Bushnell)×2. Intermediate Microeconomics×6. Transportation and Urban Economics (Erich Muehlegger). World Economic History×2. U.S. Economic History×2.

UIBE, School of International Trade and Economics. TA for Econometrics (Zhihong Chen). Spring 2018.

Professional Activities

Presentations (*: scheduled): China Job Market in Economics (CICE, Dec 12-13, 2026)*. UCLA Mini Conference in History. Southern Economic Association (SEA) 2026 Annual Meeting*. SEA 2024. Economic History Association (EHA) 2026 Poster Session. Bay Area Economic History Workshop, 2025, 2026. Sloan/Berkeley Summer School in EEE, Egg Timer, 2022. UC Davis internal seminars in the EEE group, the economic history group, and the applied micro group.

Service: Graduate Student Mentor, UC Davis Department of Economics, 2023-2024. Representative, UChicago Harris Student Government (HSG) Academic Committee, 2019-2020.

Other Conferences and Meetings Attended: UC Berkeley Energy Institute POWER Conference, 2022-2026. Western Power Trading Forum Winter General Meeting, 2024.

Others

Software skills: Stata, ArcGIS, Python, R, LaTeX. Language: English (fluent), Chinese (native).

Personal information: Chinese citizen, F-1 student visa.