

## EDUCATION

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### University of California Berkeley

Master's degree in City Planning (MCP)

Master's degree in Landscape Architecture & Environmental Planning (MLA)

Expected Graduation: May 2025

**Berkeley, CA**

Aug 2022 –Present

GPA: 4.00/4.00

### Relevant Graduate Coursework

- CYPLAN C251: Environmental Planning and Regulation
- CYPLAN 214: Infrastructure Planning and Policy
- CYPLAN 205: Introduction to Planning and Environmental Law
- ENERES 276: Climate Change Economics
- PUBPOL 283: Renewable Energy Policy in the United States
- LDARCH 221: Quantitative Methods in Environmental Planning
- LDARCH 205: Environmental Planning Studio
- LDARCH 227: Restoration of Rivers and Streams

### Graduate Certifications

- Graduate Certificate in Geographic Information Science and Technology

### University of California Berkeley

Bachelor's degree in Geography

Concentration: Economy, Society, & Environment

**Berkeley, CA**

Aug 2016 – May 2019

GPA: 3.81/4.00

## ACADEMIC RESEARCH

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### Designing Clean Energy Pathways: Mitigating the Impacts of Utility-Scale Solar in Salinas, Puerto Rico

Lead, in-progress thesis project

University of California Berkeley

**Berkeley, CA**

Jan 2024 – Present

- Quantitative and qualitative data collection and analysis to understand how utility-scale solar, as a dominant mode of clean energy deployment, is responsive to and reshaping Puerto Rican landscapes and lifeways, including how Puerto Ricans are confronting, conforming to, and contesting this adaptation pathway.

### Building Disaster Resilience Through Community Solar Microgrids: A Comprehensive Modeling

Kevin Otero-Ramos & Ruby Zalduondo

Environmental Planning, AGM University

**Berkeley, CA**

Feb 2024 – present

- Used geographic information systems (GIS) to calculate, analyze, and visualize rooftop surface area to model the technical and financial feasibility of deploying a solar-powered microgrid system in Valle Dorado, Puerto Rico.

### Equitable Housing Decarbonization: Implementation Approaches

Graduate Student Researcher, Terner Center for Housing Innovation

Supervisor: Yael Nidam, PhD Candidate

**Oakland, CA**

May 2023 – Aug 2023

Dec 2023 – Aug 2024

- Conducted a literature review of the climate, health, housing, and energy equity implications

of decarbonization program design.

- Contributing to a statewide review of decarbonization programs, revealing varied and interlocking institutional approaches to decarbonization.

### **Butte Creek Canal Breach's Effects on Spring-Run Chinook Salmon**

**Berkeley, CA**

Justine Ecker-Moss & Ruby Zalduondo,

Aug 2023 – Dec 2023

UC Berkeley River Lab, University of California Berkeley

- Conducted fieldwork in Butte Creek, taking bulk core samples of the streambed to quantify the amount of interstitial fine sediment deposition following a canal breach.
- Analyzed samples to show the percent of silt and clay (<0.063mm) present downstream of the breach was significantly greater than the percent present than upstream of the breach, posing a direct threat to critically endangered Spring-Run Chinook Salmon at multiple life stages.

## **POLICY RESEARCH**

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### **Improving Community Participation and Workforce Development in CEC-funded Energy Reliability Projects**

**Berkeley, CA**

Aug 2024 - Present

Shaun Clopton & Ruby Zalduondo

California Energy Commission

- Provided the CEC with recommendations on how they can better support grant recipients of the CERRI program to amplify and strengthen community engagement and workforce development in their plans.

### **Compensation Trends in the Non-Profit Housing Industry**

**Los Angeles, CA**

Policy Intern, Southern California Association of Non-Profit Housing

Jun 2018 – Aug 2018

- Researched and analyzed compensation trends in non-profit housing developer industry.
- Analyzed emergent policy and research on non-profit housing in California.

### **Berkeley Forum on Access and Disability Rights**

**Berkeley, CA**

Researcher, City of Berkeley Peace and Justice Commission

Mar 2018 - Aug 2019

- Conducted a review of accessibility and disability justice literature and policy.
- Drafted a monthly newsletter for the Subcommittee on the UN Convention on the Rights of Persons with Disabilities

## **TEACHING**

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### **Reader/Grader**

**Berkeley, CA**

ENVDES 102: "Climate Change and City Planning: Adaptation and Resilience"

Aug 2024 – Present

University of California, Berkeley

Supervisor: Professor Stephen Collier

- Supported Professor Collier with undergraduate student learning through weekly office hours, graded assessments, and other duties.

### **Graduate Student Instructor (GSI)**

**Berkeley, CA**

GEOG 50AC: "California"

Aug 2023 – Dec 2023

University of California, Berkeley

Supervisor: Lecturer Seth Lunine

- Conducted lectures for 50 undergraduate students in their weekly discussion sections which supplemented the main lecture.
- Supported undergraduate student learning through weekly office hours, assessments, and individual mentoring.

## PROJECTS & PAPERS (Unpublished)

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- **Ruby Zalduondo**. 2024. "Energy Infrastructure Deployment and Landscape Change in Salinas, Puerto Rico." LDARCH 221. Professor Lu Liang.
- **Ruby Zalduondo**. 2024. "Post-Disaster Sustainability: Pathways to Clean Energy In Puerto Rico." CYPLAN C251. Professor Charisma Acey.
- Alba Estrada López, Erica Grasberger, Ellie Reiff, Florencia Sepulveda, and **Ruby Zalduondo**. 2024. "Restoration of Jeongok Wetland Park on the Hantan River." LDARCH 205. Professor Matt Kondolf.
- Sebastian Gaviria, Isobel Hayne, Dechen Santapau, and **Ruby Zalduondo**. 2024. "Restoring the Pajaro River: Integrating the Upper and Lower Watersheds." LDARCH 205. Professor Matt Kondolf.
- **Ruby Zalduondo**. 2023. "Coloniality and Resistance in Puerto Rico's Energy Crisis." CYPLAN 200. Professor Justin Hoseby.
- **Ruby Zalduondo**, Ujay Siddharth, and Kate Martella. 2023. "Addressing the Wildland Urban Interface in Alameda County: The Roles of the Housing, Electricity and Transportation Sectors." CYPLAN 214. Professor Stephen Collier.
- Alba Estrada-Lopez, Florencia Sepulveda, and **Ruby Zalduondo**. 2023. "Increasing Community Access and Hydrological Connectivity in the Salinas River in Greenfield, CA." GEOG 188. Lecturer Xihan Yao.

## PROFESSIONAL REFERENCES

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- Yael Nidam, Project Manager, Turner Center for Housing Innovation
- Seth Lunine, Lecturer, University of California Berkeley
- Jackie Hausman, Program Officer, Kenneth Rainin Foundation
- Shallon Allen, Management Analyst, City of Berkeley