

Carrie A. Hamilton

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EDUCATION

- **Ph.D. (in progress), *University of California, Santa Cruz***
 Sociology
- 2017 **B.S., *University of North Carolina at Chapel Hill, Honors College***
 Environmental Science (concentration: Ecology) & Geography
Highest Honors and Highest Distinction
 Honors College
 Honors thesis: "The role of catch shares in Pacific halibut bycatch reduction in the U.S. west coast bottom trawl fishery"

RESEARCH INTERESTS

Green capitalism, environmental-labor organizing, green supply chains, labor studies, political economy, political ecology, critical resource geography

HONORS

- 2017 ***Most Outstanding Research Award*** (Honors Thesis)
 Curriculum for the Environment and Ecology, UNC Chapel Hill
- 2017 ***Highest Honors*** (Honors Thesis)
 Curriculum for the Environment and Ecology, UNC Chapel Hill
- 2017 ***Highest Distinction*** (GPA)
 UNC Chapel Hill
- 2017 ***Honors Carolina Laureate***
 Honors College, UNC Chapel Hill
- 2015 ***Carolina Research Scholar***
 UNC Chapel Hill
- 2015 ***Phi Beta Kappa***
- 2013-17 ***Dean's List***
 UNC Chapel Hill

AWARDS & GRANTS

- 2024 *Center For Labor and Community Graduate Research Grant*, UC Santa Cruz (\$7,500)
- 2022 *Gliessman Fellowship*, UC Santa Cruz (\$8,200)
- 2022 *Hammett Fellowship*, UC Santa Cruz (\$7,500)
- 2022 *Environmental Studies Department Grant*, UC Santa Cruz (\$1,000)
- 2021-22 *Chancellor's Fellowship*, UC Santa Cruz (\$28,000)

- 2015-17 *Ernest F. Hollings Scholarship*, National Oceanic and Atmospheric Administration (**\$26,500**)
- 2013-17 *H.W. Jackson Scholarship*, UNC Chapel Hill (**\$10,000**)
- 2015 *NSF Research Experience for Undergraduates (REU), Cultural Anthropology*, National Science Foundation (**\$4,000**)
- 2015 *Class of 1938 Fellowship*, UNC Chapel Hill (**\$5,000**)
- 2014 *Matthew Levitan Scholarship*, Flathead Lake Biological Station (**\$4,500**)
- 2014 *Mary and Watts Hill, Jr. Scholarship*, UNC Chapel Hill (**\$2,500**)
- 2012-13 *Global Gap Year Fellowship*, UNC Chapel Hill (**\$7,500**)

TALKS & PRESENTATIONS

- “Beyond the Ivory Tower: Community Engagement, Education, and Organizing in California’s Central Coast.” Exhibit curated with Riley Collins, Brittney Jimenez, & Summer Sullivan at Watsonville Public Library. Watsonville, CA. 2024.
- “Electric Vehicles and a Just Transition.” Panel discussion moderated at UAW Region 6 Summer School with panelists Anibel Ferus-Comelo (Berkeley Labor Center), Madeline Janis (Jobs to Move America), Nayon Park (UAW), & Henry Salazar (UAW Local 230). Los Angeles, CA. 2023.
- “Beyond the Ivory Tower: Community Engagement, Education, and Organizing in California’s Central Coast.” Exhibit curated with Riley Collins, Brittney Jimenez, & Summer Sullivan at Center for Archival Research & Training, McHenry Library. Santa Cruz, CA. 2023.
- “Locating the Cloud: Materiality and Justice in a Computational World.” Talk presented with Kellie Petersen at Science & Justice Research Center (works-in-progress event). 2022.
- “Careers in Geography (Part II): Geographers in Business, Government, and Nonprofit Careers.” Invited panel discussion with Kyle Titow, Nicolas Saravia, Terra Luke, Brent Sams, & Tracy Whelen. American Association of Geographers Early Career webinar series. Virtual. 2021.
<https://bit.ly/3lOdXID>
- “Mining for goals: text mining as a method to characterize goals in the wild.” Poster presented at Association for Psychological Science Convention. San Francisco, CA. 2018.
<https://osf.io/wvxm9/>
- “The role of catch shares in Pacific halibut bycatch reduction in the U.S. west coast bottom trawl fishery.” Talk presented at NOAA Hollings Research Symposium. Washington, DC. 2016.
- “Oil drilling and industry in Kichwa communities in the Ecuadorian Amazon.” Talk presented at 17th Annual NC Environmental Justice Summit. Whitakers, NC. 2015.

EXPERIENCE

- 2024- **UCSC Dept. of Environmental Studies, *Graduate Student Researcher*** (Santa Cruz, CA)
Project: “Coastal Wetland Restoration: a Nature Based Decarbonization Multi-Benefit Climate Mitigation Solution Project” (PI: Dr. Katy Seto)
Constructed dataset and interactive maps characterizing access (colocation with public

- parks; proximity to public transit; availability of amenities), adjacent communities (CalEnviroScreen 4.0 indicators), and sea-level rise vulnerability (2018 CA Coastal Assessment vulnerability data) of publicly accessible CA wetlands.
- 2024 **UCSC Center for Archival Research and Training, *Fellow*** (Santa Cruz, CA)
Continuation of 2022-23 CART work: conducted archival processing of additional material discovered for the California Farm Research and Legislative Committee records.
- 2022-23 **United Auto Workers, *EV & Battery Industry Researcher*** (remote)
Tracked domestic electric vehicle industry developments and jobs, funding programs, and policy; produced report on EV battery supply chain industry developments, policy developments, and viable company targets in Region 6 states; produced report on emerging health/safety concerns in lithium-ion battery manufacturing; drafted UAW Region 6 green workforce development proposal.
“Electric Vehicles and a Just Transition” panel discussion moderated at 2023 UAW Region 6 Summer School.
“Building a member-led movement to fight climate change and create high-quality green jobs” (strategy workshop) co-facilitated at 2023 UAW Region 6 Summer School.
“Climate Change and Class War” (strategy workshop) co-facilitated at 2024 UAW Region 6 Political Action & Leadership Conference.
- 2022-23 **New Energy Nexus / UCSC Institute for Social Transformation, *Graduate Student Researcher*** (remote)
Project: “Lithium Battery Electric Supply Chain: Workforce Analysis” (PI: Dr. Chris Benner)
Created database and interactive map of key operations in North American lithium-ion battery / electric vehicle supply chain; data included key operation characteristics (e.g., estimated workforce, segment of supply chain, stage of development) and socioeconomic indicators (e.g. Oxfam wage, worker protections, and labor organizing indices; Climate and Economist Justice Screening Tool data).
Final map: [Lithium Battery Supply Chains of North America](#)
Final report: [Powering Prosperity: Building an Inclusive Lithium Supply Chain in California’s Salton Sea Region](#)
- 2022-23 **UCSC Center for Archival Research and Training, *Fellow*** (Santa Cruz, CA)
Received training in foundational and contemporary archival theory and practice (appraisal, arrangement, description, preservation).
Processed archival materials and produced [finding aid](#) for *California Farm Research & Legislative Committee Records*, a collection documenting the efforts by a coalition of farm, labor, consumer, and cooperative groups to forge a rural-urban alliance in California and across the US in the 1940s-1980s.
Co-curated exhibit on labor, agriculture, and community organizing in CA’s Central Coast, hosted by UCSC McHenry Library (2023) and Watsonville Public Library (2024).

- 2020-21 **Social Science Research Council (SSRC), *Program Associate*** (Brooklyn, NY)
 2018-20 ***Program Assistant***
 Managed Social Data Initiative program fellowships; co-wrote call for proposals; drafted application, review, and reporting forms; coordinated peer and ethics review meetings; developed ethics review framework tailored to digital research; conducted preliminary review of applications; managed budget.
 Organized Media & Democracy program research development and public scholarship workshops; coordinated switch to virtual events; managed outreach and conducted preliminary review of applications.
 Published SSRC *Items* [Writing Public Scholarship: A Conversation with Kathryn Cramer Brownell & Brian Rosenwald](#); co-curated *Items* [Extremism Online series](#); provided editorial and copyediting support for *Items* [Disaster Studies series](#); participated in Research Ethics Working Group; drafted literature reviews on digital research ethics.
- 2019-21 **Summer Institute in Computational Social Science, *Administrative Director*** (remote)
 Managed overall administration of SICSS partner locations with co-founders Drs. Matt Salganik and Chris Bail (9 virtual domestic and international partner locations in 2020; 21 virtual locations in 2021); developed participant research grant program; maintained website (GitHub Pages).
- 2017-18 **Center for the Study of Adolescent Risk and Resilience and Department of Psychology & Neuroscience, Duke University, *Research Technician*** (Durham, NC)
 Conducted research project, “Mining for Goals: Computerized Text Analysis as a Method to Characterize Goals in the Wild”; cleaned data and ran statistical analyses (descriptive, chi-square tests, network analysis, topic models) in R.
 Supported the “Research on Adaptive Interests, Skills, and Environments” longitudinal study; recruited participating families; built daily mobile phone survey on parenting and substance use in Western North Carolina in MetricWire.
- 2016 **NOAA Northwest Fisheries Science Center, *Hollings Research Intern*** (Seattle, WA)
 Designed and conducted quantitative research project, “The role of catch shares in Pacific halibut bycatch reduction in the U.S. west coast bottom trawl fishery.”
 Conducted statistical analyses (t-tests, ANOVA’s) and ran a series of generalized linear models in R using NOAA’s West Coast Groundfish Observer Program data for approximately 47,000 bottom trawl fishing entries. Analyzed mechanisms of bycatch reduction in years preceding vs. following the implementation of Individual Bycatch Quota system (i.e., a rationalizing resource management regime).
- 2015 **UNC Department of Geography, *Student Researcher*** (Napo Province, Ecuador)
 Designed and conducted qualitative study, “Oil drilling and industry in Kichwa communities in the Ecuadorian Amazon” (faculty advisor: Dr. Gabriela Valdivia).
 Secured National Science Foundation grant funding and IRB approval.
 Conducted two months of fieldwork in Napo Province, Ecuador; conducted ten semi-structured interviews in Spanish and engaged in participant observation.

CONSULTING

- 2024 **Climate and Community Institute, *Consultant*** (remote)
 Memorandum prepared for Center for Biological Diversity protest letter re: Proposed BLM Resource Management Plan Amendments for the Updated Western Solar Plan”
[“The Western Solar Plan’s Reasonably Foreseeable Solar Energy Development Scenario Underestimates the Amount of Solar that will be Built on Public Lands”](#)
 (Submitted with Climate & Community Institute and UCSC Center for Critical Urban & Environmental Studies)
- 2023-24 ***Copyeditor*** (remote)
 Copyedited three scholarly manuscripts for publication
- 2021-22 **Summer Institutes in Computational Social Science, *Consultant*** (remote)
 New staff training and sicss.io web maintenance

TEACHING

- 2025 **UCSC Department of Sociology, *Teaching Assistant*** (Santa Cruz, CA)
 SOCY 3B: Statistical Methods (Winter 2025)
- 2024 **UCSC Department of Sociology, *Teaching Assistant*** (Santa Cruz, CA)
 SOCY 105B: Contemporary Theory (Spring 2024)
- 2024 **UCSC Department of Sociology, *Teaching Assistant*** (Santa Cruz, CA)
 SOCY 3B: Statistical Methods (Winter 2024)
- 2023 **UCSC Department of Environmental Studies, *Teaching Assistant*** (Santa Cruz, CA)
 ENVS 144 / POLI 179: Global Climate Politics (Fall 2023)
- 2023 **UCSC Department of Environmental Studies, *Teaching Assistant*** (Santa Cruz, CA)
 ENVS 100L: Environment & Society (Spring 2023)
- 2022 **UCSC Department of Environmental Studies, *Teaching Assistant*** (Santa Cruz, CA)
 ENVS 115/215: Intro to GIS (Fall 2022)

SERVICE

- 2022 ***Graduate Representative*** (Santa Cruz, CA)
 Environmental Policy Faculty Search Committee,
 Department of Environmental Studies, UC Santa Cruz
- 2019-21 ***Pro Se Immigration Clinic Volunteer*** (New York, NY)
 New Sanctuary Coalition

AFFILIATIONS

- 2023- **Critical Urban Studies Working Group**
 Center for Critical Urban and Environmental Studies, UC Santa Cruz
- 2022-23 **Science and Justice Training Program**
 Science and Justice Research Center, UC Santa Cruz

ADDITIONAL TRAINING

- 2019 **Qualitative Research Summer Intensive**, UNC Odum Institute & ResearchTalk
Modules: coding and analyzing qualitative data; synthesizing qualitative data
- 2019 **Summer Institute in Computational Social Science**, Hunter College, CUNY
Modules: ethics; collecting digital trace data; automated text analysis; surveys in the digital age; mass collaboration; and experiments
- 2019 **Advanced GIS course**, Spatial Analysis & Visualization Initiative, Pratt Institute

SKILLS

TECHNICAL:

ArcGIS (*advanced proficiency*)

R (*advanced proficiency*)

Python (*intermediate proficiency*)

Data visualization—static + interactive (*advanced proficiency*)

Selected samples:

[Congressional data analysis update](#)

[Going Green: Historicizing Enviro-Labor Relations in the US Energy Transition](#)

[a works-in-progress methodological exploration]

Geospatial data visualization—static + interactive (*advanced proficiency*)

Selected samples:

[Lithium Battery-Electric Vehicle Supply Chains of North America](#) (interactive map)

[Wetlands GSR Fall 2024 update](#) (interactive maps)

[Proposed Keystone XL Pipeline Risk](#) (static map)

Geospatial analysis (*intermediate proficiency*),

Automated text analysis (“text mining”) (*intermediate proficiency*)

Web scraping (*basic proficiency*)

COMMUNICATION & DESIGN:

Adobe Indesign (*advanced basic proficiency*)

Graphic design (flyers, social media posts, slide decks, one-pagers) (*advanced basic proficiency*)

Copyediting (*intermediate proficiency*)

LANGUAGE:

Spanish (*advanced proficiency*)