

# Olivia Hemond

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## EDUCATION

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**Master of Environmental Science and Management**, 4.0 GPA (Expected June 2025)

**Bren School of Environmental Science & Management – University of California, Santa Barbara (UCSB)**

Anticipated Specializations: Conservation Planning & Strategic Environmental Communication

Coursework: Geographic Information Systems (GIS), Earth Systems Science, Conservation Management in Practice, Data Analysis & Statistics, Advanced Data Analysis (all to be completed by 6/24)

**Bachelor of Science in Molecular Environmental Biology**, 4.0 GPA (May 2021)

**Rausser College of Natural Resources – University of California, Berkeley (UC Berkeley)**

Study Abroad: Marine Biology & Terrestrial Ecology Field Courses, University of Queensland, AUS (Fall 2019)

## LAND USE & CLIMATE EXPERIENCE

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**Arnhold Environmental Graduate Fellow – Arnhold UCSB–Conservation International (CI) Climate Solutions Collaborative**, Santa Barbara, CA (10/23–Present)

- Analyze how climate change, land use, and wildlife corridors influence human-wildlife conflict in Africa to inform conservation and management actions in collaboration with partners at CI and University of Namibia
- Conduct analyses in R, share GitHub workflows, and present to 7-person team weekly

**Environmental Analyst – Eastern Research Group, Inc. (ERG)**, Concord, MA (7/22–8/23)

- Analyzed survey data from 65+ organizations to identify state-specific climate adaptation progress and barriers for the 2023 Massachusetts State Hazard Mitigation and Climate Adaptation Plan
- Wrote four 2-3 page summaries of U.S. state-specific climate impacts and adaptation strategies, and strategized downscale of national climate datasets, for public EPA climate change communication websites
- Managed, analyzed, and visualized national-level data on chemical releases to create profiles on industry sector and geographic region release trends for the 2021 Toxics Release Inventory National Analysis
- Quantified past and current usage of 5+ chemicals for Toxic Substances Control Act (TSCA) Risk Evaluations

**Research Assistant (Agricultural Land Use Change) – UC Berkeley**, Berkeley, CA (6/21–8/21)

- Examined the connections between changing farm structures and trends in crop diversification and resource use in Kern County, CA from 2002 to 2018; linked consolidation to higher diversity and input use
- Integrated datasets on pesticide application, water use, crop cover, and farm operators in ArcGIS Pro
- Analyzed and visualized data in R to generate results, tables, and figures for academic publication
- Coauthored 9-page academic manuscript published in *Agricultural Systems* (2023)

**Science Intern (Ocean-Based Carbon Removal) – Carbon180**, Remote (6/20–8/20)

- Surveyed scientific literature and policy reports to identify relevant costs, scale, and impacts of 8 different ocean-based carbon removal strategies to inform organization's federal policy priorities
- Presented 10 minute summary of recommendations for effective ocean-based carbon removal strategies to 5+ internal leaders and 15+ colleagues and external stakeholders
- Co-wrote 1,000+ word popular-science blog post on seaweed farming's climate mitigation potential

## ADDITIONAL EXPERIENCE

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**English Language Assistant and Cultural Ambassador – IES Santiago Rusiñol**, Aranjuez, Spain (9/21–5/22)

## SKILLS & PRESENTATIONS

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**Computer**: R & RStudio, ArcGIS Pro, Microsoft Office (Excel, Access, PowerPoint), GitHub

**Languages**: Intermediate Spanish

**Presentations**: Presented scientific research poster at local (2019) and national (2020) conferences