

Joshua Ferrer-Lozano

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Education

Master of Environmental Data Science (Expected May 2026)

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

Bachelor of Environmental Studies & Planning (Energy, Management and Design) (May 2017)

Bachelor of Economics (May 2017)

Sonoma State University (SSU), Rohnert Park, CA

Honors: Dean's List (4 consecutive semesters 2013-2014), Cum Laude and Distinction

Water Conservation Project at Sonoma State (Fall 2015)

- Collaborated with the Environmental Studies and Planning program to analyze water consumption, costs, and carbon emissions of existing and alternative water-efficient showerheads across campus facilities.
- Presented findings that inspired interest in an on-campus pilot program to promote water conservation, increasing awareness of sustainable practices within the university.

Experience

Individual Organization Development Volunteer - Peace Corps, Tkibuli, Georgia (2/2023- 5/2025)

- **Designed and launched the first official website for the Tkibuli District Development Fund (TDDF)**, an accessible platform to showcase organizational achievements, program updates, and stakeholder information
- **Developed and structured TDDF's beneficiary database**, consolidating and organizing over 14 years of data on program participants and community impact, allowing for effectiveness analysis and organizational goal tracking
- **Constructed a comprehensive data dashboard** visualizing key metrics and beneficiary demographics, enabling communication of project outcomes with partners and stakeholders.
- **Authored TDDF's first annual report** providing data-driven insights into community needs and organizational impact to support strategic decision-making
- **Secured a Small Project Assistance (SPA) grant (\$2,100)** to implement an employability skills program for underserved youth in Tkibuli focusing on mapping of community resources, issue/need identification, public speaking/presentation skills, and technical training in Microsoft Excel

Greenhouse Gas Inventory and Policy Analyst, AmeriCorps VISTA - Office of Climate Change, Sustainability and Resiliency (CCSR'), Honolulu, HI (May 2018- July 2019)

- **Co-developed the methodology and conducted analysis for Honolulu's first comprehensive countywide Greenhouse Gas (GHG) inventory** for 2005, 2015, and 2016, establishing baseline emissions and supporting future tracking of reduction efforts.
- **Co-facilitated and supported research and logistics for an 18-member, cross-sector Climate Security Working Group**, focusing on greenhouse gas mitigation strategies as part of the City and County of Honolulu's Resilience Strategy
- **Led public engagement initiatives** to educate and raise awareness on climate action planning and carbon reduction strategies, aligning efforts with Hawaii's state-wide goal of achieving a 100% renewable energy portfolio by 2045.

Other Experience & Coursework

Honolulu Climate Mayors Summit, Event Volunteer (6/2018)

- Assisted in event logistics, including guest check-in, hosting, parking coordination, and supporting planning activities for a large-scale climate policy summit attended by national leaders.

Skills

Technical Skills: Microsoft 365 (Word, PowerPoint, Excel, Power BI), Python, Jupyter, GitHub, STATA, R-Studio, Tableau, Canva, WordPress,

Certifications: PADI Open Water Diver Certification

Languages: Georgian – Advanced Low; Spanish – Intermediate Mid