

Katinka Lennemann

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EDUCATION

University of California, Los Angeles

Bachelor of Science, Applied Mathematics (GPA 3.76)

Bachelor of Science, Statistics & Data Science (GPA 3.83)

Expected Jun. 2026

Los Angeles

- Relevant coursework: Statistical Models and Data Mining, Applied Numerical Methods, Computation and Optimization in R, Monte Carlo Methods, Linear Models, Introduction to Networks

PROFESSIONAL EXPERIENCE

San Mateo County Sustainability Department

Climate Protection Team Intern

Jun. 2025 - Aug. 2025

Redwood City, CA

- Identified high impact sites for EV chargers by building spatial map in ArcGIS and integrating electric grid load capacity, charger density, and demographic data layers, resulting in clearer advocacy for site-level support in EV charger installation
- Built internal dashboard aggregating performance metrics for 15 clean energy incentive programs in Excel, identifying trends to inform future county program design and funding allocation for meeting the county's climate action plan targets
- Managed an RFP and coordinated contractor logistics for an innovative cost study on commercial kitchen electrification
- Inventoried over 100 methane-fueled appliances across 12+ school sites and estimating decarbonization potential

Global Nomads Group

Curriculum Coordinator

Oct. 2022 - Dec. 2024

Remote

- Analyzed USGS precipitation data from weather stations across California in partnership with Concord Consortium, developing evidence-based curriculum on water management and land subsidence in California's Central Valley
- Engaged 8 domain experts including USGS hydrologists, tribal authorities, and frontline communities through consultations and review cycles, incorporating feedback to align curriculum with BSCS storyline design and NGSS standards
- Synthesized data visualizations, historical documents, and aquifer simulations to develop materials across 10 lessons
- Reviewed curriculum outputs for consistency and accuracy by incorporating field-test feedback from 9 classrooms, refining content to validate student accessibility and ensure alignment with funder requirements

Team Leader

Remote

- Supervised six-person research team through curriculum design, establishing quality standards, reviewing outputs for accessibility and accuracy, and mentoring teammates on research methodology throughout the process

Each Green Corner

Data Evaluation Intern

Feb. 2023 - Jun. 2023

Remote

- Aggregated harvest data from 12 urban garden sites collected via Google Forms, developing automated metrics dashboard in Google Sheets that refreshed in real-time for stakeholder monitoring
- Analyzed site-level performance and synthesized findings into reports and recommendations for nonprofit leadership

VOLUNTEERING

California Youth Climate Policy Leadership Program

Mentor

Aug. 2022 - Present (seasonal)

Remote

- Providing mentorship and guidance to California high schoolers on carrying out 6+ month policy campaigns on how to build coalitions, conduct research to draft impactful policy, and present proposals to key decision makers

SKILLS

Technical: Python (NumPy, Matplotlib, Pandas), R (tidyverse, mlr3verse), SQL, ArcGIS, Power BI, Excel, statistical modeling, data visualization, data cleaning and transformation, Jupyter notebooks, R Markdown

Languages: English (native), Mandarin (fluent)