

# Katinka Lennemann

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✉ [klennemann@ucla.edu](mailto:klennemann@ucla.edu) ☎ +1 (650)-284-6140 🌐 [klennemann](#)

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## PROFESSIONAL EXPERIENCE

### San Mateo County Sustainability Department

*Climate Protection Team Intern*

Jun. 2025 - Aug. 2025

- Built spatial map in ArcGIS to identify high impact sites for EV chargers by integrating electric grid load capacity, charger density, and demographic data
- Used Excel to create dashboard of performance data for 15 clean energy incentive programs, identifying trends to inform future program design and funding allocation
- Led data-driven evaluation of school decarbonization by inventorying over 100 methane-fueled appliances across 12+ school sites and estimating greenhouse gas savings
- Managed an RFP for procuring plumbing services and coordinated contractor logistics for a cost study on commercial kitchen electrification

### ASEAN Foundation Model ASEAN Meeting (East Asia Summit 2025)

*US Delegate*

Aug. 2025 - Sep. 2025

- Represented the Lao PDR in the Economic Pillar; researched and co-drafted policy recommendations for offshore renewable-energy development across Southeast Asia.
- Analyzed regional regulatory frameworks and investment incentives, contributing to the Chairman's Statement on offshore renewables, disaster management, and marine pollution.

### Global Nomads Group

*Curriculum Coordinator*

Jun. 2023 - Dec. 2024

- Developed a data-driven climate change curriculum focused on water management and land subsidence in California's Central Valley; field-tested in 107 schools across the state
- Conducted research by interviewing field experts in geology, water management, and policy to ensure solution-focused lessons and factual accuracy
- Modelled trendlines for data from the US Geological Survey on snowfall and precipitation

*Team Leader*

Oct. 2022 - Jun. 2023

- Managed a six-person team to research and design the curriculum, assessing product quality periodically
- Ensured accessibility of content and workload for students with learning disabilities

### Each Green Corner

*Data Evaluation Intern*

Feb. 2023 - Jun. 2023

- Transformed disconnected raw data to a live summary metrics and visualizations page
- Conducted analysis on site performance trends to create actionable insights on how to improve operations

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## EDUCATION

### University of California, Los Angeles

*B.S. Applied Mathematics, B.S. Statistics & Data Science - GPA: 3.8*

- Relevant Coursework: Statistical Models and Data Mining, Applied Numerical Methods, Computation and Optimization, Monte Carlo Methods, Foundations of Environmental Policy and Regulation
- Academies of Social Entrepreneurship Alumni

- Researched and pitched a new business venture for California Youth Services (CYS), an nonprofit organization in Orange County providing mental health intervention services
- Analyzed the customer base by analyzing and visualizing public datasets on school demographics

## **National University of Singapore**

*Exchange student*

- Relevant coursework: Stochastic Processes, Mathematical Modelling, Japan: A Green Nation?

## **College of San Mateo**

*Concurrent enrollment - GPA: 4.0*

- Relevant coursework: Introduction to Object Oriented Programming, Accounting Procedures, Financial Accounting

## **VOLUNTEERING**

### **California Youth Services**

*Data Management & Processing*

Jul. 2025 - Present

- Supporting organizational operations by developing back-end forms and workflow reports in Apricot Social Solutions to streamline data entry and reporting processes.
- Collaborating with staff to understand program needs and translating them into user-friendly data collection tools.

### **California Youth Climate Policy Leadership Program**

*Mentor*

Aug. 2022 - Present (seasonal)

- Providing mentorship and guidance to California high schoolers on carrying out climate policy campaigns

### **Sequoia Union H.S. District Sustainability Committee**

*Founder & Director*

May 2021 – Sep. 2022

- Directed a 30+ member cross-functional team across students, faculty, and board members through a committee that is still running today for environmental advocacy and action
- Delivered three district-wide initiatives in 6 months: district-wide waste audit, environmental literacy professional development for teachers, and food share cart pilots
- Received Sustainable & Climate Resilient Schools Challenge Award; was a panelist at the Green California Schools and Higher Education Summit

## **PUBLICATIONS**

- [“One Forum, Many Voices: A Few Reflections on Global Climate Action,”](#) Ten Strands, Nov. 2025
- [“Beyond Melting Glaciers: Building a Climate Justice Curriculum By Youth, for Youth,”](#) Global Nomads, Sep. 2025
- [“Climate Change Will Be Taught in California Middle Schools, Thanks to Our Curriculum,”](#) Teen Vogue, Jan. 2025

## **SKILLS AND TOOLS**

**Technical:** R (dplyr, tidyr, ggplot2m, mlr3verse), Python (Pandas, SciPy, NumPy), SQL, Power BI, Excel, Java, Google Workspace, Microsoft Office

**Languages:** English (native), Mandarin (fluent)