

EDUCATION

University of California, Berkeley, Berkeley, CA *2014-2019*

M.A./Ph.D. in Energy and Resources Group; GPA: 4.0

- Graduate Certificate in Food Systems (2018)
- Soroptimist Founder Region Fellowship for Women Ph.D. Candidates (2019)
- NSF-InFEWS (Innovations in the Food-Energy-Water Nexus) Fellow (2017-18)
- Graduate Student in Extension, UC Global Food Initiative Fellow (2016-2017)
- Master's thesis: Farm to School programs and Environmental Literacy (2016)
- Graduate Certificate in Teaching and Learning (2016)
- UC Berkeley Tiny House team- Project Co-founder and Water Systems Lead (2014-17)

Tufts University, Medford, MA *2008-2012*

Bachelor of Arts in Environmental Studies and International Relations; GPA: 3.84

- Summa Cum Laude, Phi Beta Kappa, NESCAC All-Academic Team
- Freshmen Seminar Leader-“Sustainable Development: Lessons from Uganda” (2011)

IES Abroad, Granada, Spain *Spring 2011*

- Universidad de Granada, Facultad de Filosofía y Letras

EMPLOYMENT/VOLUNTEER WORK

Berkeley Food Institute Graduate Student Researcher *2018-2019*

- Coordinated investigation of food access/food distribution among East Bay Urban Farms
- Created GIS mapping analysis of food access/distribution challenges

Graduate Student Instructor *2015-2019*

Led discussion sections, mentored undergraduate and graduate students, graded assignments for:

- ESPM 163: Environmental Justice: Race, Class, Equity and the Environment
- ESPM 50AC: Introduction to Culture and Natural Resource Management (2 semesters)
- PH 290: Transforming Food Systems: From Agroecology to Public Health

Sustainable Farming (Lopez Island, WA) *Summer 2015, 2017*

- Accepted through Lopez Community Land Trust to serve as an agricultural intern at the Sweetbriar Farm and LIFE (Lopez Island Farm Education) program
- Implemented soil building techniques, composting, irrigation systems, intercropping, and integrated pest management practices on diversified vegetable operations
- Revived and managed Stonecrest Farm vegetable and flower plot for farmer's market sales (summer 2017)

Science Writer, Earth Science Journal for Kids *2015-2017*

- Adapted peer-reviewed, open-source science articles related to climate change for student audiences with teacher resources, assisted in 2-year program evaluation data collection

Environmental Education/School Garden Volunteer Work *2014-2015*

- SEED (Students for Environmental Energy Development) Program Volunteer- taught energy science curriculum to Berkeley High School students
- Volunteer instructor in Claremont Middle School garden program

Citizen Schools National Teaching Fellowship- 8GA 2012-2014

- AmeriCorps position with an education non-profit in Boston Public Schools
- College trips coordinator for 8th Grade Academy (8GA) program
- Created and implemented High School Choice curriculum for MA and NY regions
- Taught math to English Language Learners and students with special needs

Tufts Summer Scholars Program Summer 2011

- Undergraduate research fellowship, funding to investigate clean water project and community development in rural Uganda

Tufts Engineers Without Borders 2008-2012

- Local Outreach Chair, selected for travel team on assessment trip to Uganda for clean water project in May 2010; follow up trips in 2011 and 2012

Massachusetts Department of Environmental Protection Summer 2010

- Intern in the Drinking Water Program, Lead in Schools project

PUBLICATIONS

- “Does Urban Agriculture Improve Food Security? Examining the Nexus of Food Access and Distribution of Urban Produced Foods in the United States: A Systematic Review.” Aug. 2018 in *Sustainability*
- “Experiential Climate Change Education: Challenges of Conducting Mixed-Methods, Interdisciplinary Research.” Nov. 2018- *Energy Research and Social Science*
- “Climate Change Education in the Humanities Classroom: A Case Study of the Lowell School Curriculum Pilot.” Published March 2019 in *Environmental Education Research*
 - Part of book chapter draft for *Teaching Climate Change in the United States*
- “Producing Urban Agroecology in the East Bay: From Soil Health to Community Empowerment.” Nov. 2019, *Journal of Agroecology and Sustainable Food Systems*
- “Water and Energy System Design vs. Performance in an Off-Grid Tiny House.” In preparation- *Journal of Green Building*
- “Impacts of Climate Change on the Barley Production and the Beer Industry.” Commissioned by New Belgium Brewing, January 2019.

PRESENTATIONS

- Shelburne Farms Climate Resiliency Fellowship, Summer 2019- workshop leader
- AAG 2019 Conference- “Producing Urban Agroecology in the East Bay”
- California Science Teacher’s Association 2017 Conference- led workshop on School Gardens, NGSS, and Climate Change Education
- AAG 2017 Conference- “Political Education for Food Systems Transformation”
- IARU Global University Climate Forum (hosted by Sorbonne University during COP21, December 2016)- Presentation on Net-zero Energy, Off-grid Tiny Houses.

ADDITIONAL TRAINING, SKILLS AND INTERESTS

- Climate Engagement Program at UC Santa Cruz, November 2019- selected to participate in year-long climate communications program offering training and support
- Skills: Fluent in Spanish, tutoring and teaching experience, GIS mapping/spatial analysis, Microsoft Office, program evaluation, environmental facilitation, vegetable farming

Alana Siegner

133 Park Way ~ Piedmont, CA, 94611
301-943-9504 ~ alana.siegner@gmail.com

- Interests: sustainable food systems, environmental education, climate change communication, green building practices, tiny house movement
- Personal website: <https://www.laneysiegner.com/>