
Alana Siegner

133 Park Way ~ Piedmont, CA, 94703
301-943-9504 ~ alana.siegner@gmail.com

EDUCATION

University of California, Berkeley, Berkeley, CA *2014-2020*

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

- 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)
- National Science Foundation (NSF) GRFP Honorable Mention- 2015
- 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”

IES Abroad, Granada, Spain *Spring 2011*

- Universidad de Granada, Facultad de Filosofía y Letras

EMPLOYMENT/VOLUNTEER WORK

Berkeley Food Institute Graduate Student Researcher *2018-*

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

Graduate Student Instructor *2015-2016*

- Led discussion sections, mentored undergraduate students, and graded assignments for ESPM 163: Environmental Justice and ESPM 50AC: Introduction to Culture and Natural Resource Management

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

Sustainable Agriculture Intern (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
- Learned and implemented soil building techniques, composting, irrigation systems, intercropping, and integrated pest management practices
- Revived and ran Stonecrest Farm vegetable and flower plot for farmer's market sales (2017)

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 Schools garden program

Citizen Schools National Teaching Fellowship- 8GA *2012-2014*

- AmeriCorps position with an education non-profit in Boston Public Schools

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- 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

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.” Published Aug. 2018 in *Sustainability*
- “Experiential Climate Change Education: Challenges of Conducting Mixed-Methods, Interdisciplinary Research.” Published Nov. 2018- *Energy Research and Social Science*
- “Climate Change Education in the Humanities Classroom: A Case Study of the Lowell School Curriculum Pilot.” In preparation- *Environmental Education Research*
- “Producing Urban Agroecology in the East Bay: From Soil Health to Community Empowerment.” In preparation- *Journal of Agroecology and Sustainable Food Systems*
- “Water and Energy System Design vs. Performance in an Off-Grid Tiny House.” In preparation- *Energy and Buildings*

PRESENTATIONS

- National Association of Environmental Education (NAAEE) 2018 Conference- led discussion session on experiential climate change education
- California Science Teacher’s Association 2017 Conference- led workshop on School Gardens, NGSS, and Climate Change Education
- American Association of Geographers (AAG) 2017 Conference- “Political Education for Food Systems Transformation” paper session, presenter
- 8th National Farm to Cafeteria Conference 2016- poster presentation on Master’s project
- IARU Global University Climate Forum (hosted by Sorbonne University during COP21, December 2016)- Presentation on Net-zero Energy, Off-grid Tiny Houses.
- AASHE 2015 Conference- “Zero Net Energy Tiny Houses: A Campus Housing Sustainability Solution” case study presentation

ADDITIONAL SKILLS AND INTERESTS

- Skills: Fluent in Spanish, tutoring and teaching experience, GIS mapping/spatial analysis, Microsoft Office, program evaluation, environmental facilitation, vegetable farming
- Interests: sustainable food systems, environmental education, climate change communication, green building practices, tiny house movement