

Richard Pauloo

CONTACT
INFORMATION

Address

Email, phone

RESEARCH
INTERESTS

Global climate change adaptation and mitigation, biogeochemistry, bioremediation, water quality, plant-microbe interactions, carbon and nutrient cycling, plant physiology and nutrition, restoration ecology, geographic information systems, environmental policy and management, social justice.

EDUCATION

B.A. Integrative Biology, *University of California, Berkeley*, 2011.
Minor in International Area Studies, Conflict Resolution emphasis.

PAST
RESEARCH
PROJECTS

UC Davis Rizzo Lab. Davis, CA.
Research Assistant **May 2012 – August 2012**
Surveyed flora of a 500+ plot network throughout California for pathogens and disease symptoms caused by *Phytophthora* species. Collected samples, preformed Brown’s transects and Coarse Woody Debris measurements, mastered use of clinometer, laser clinometer, GPS, DBH.

UC Berkeley Fine Lab, Independent Study. Berkeley, CA.
Co-Investigator **January 2012 – May 2012**
Established a research plot in Strawberry Canyon to investigate invasive species ecology. Designed methodology, formed hypotheses, collected data, interpreted results, presented findings to faculty, and wrote a paper. Used GPS, densitometer, and Image J. Used CTFS methods to ensure comparable data.

Department of Fish and Wildlife. Sacramento, CA.
Field Technician **March 2011 – August 2011**
Conducted historic American Pika locality resurveyers throughout Sierra Nevada. Georeferenced pika localities from museum specimens, field notes, and interviews. Used Google Earth to map and identify potential plots. Set temperature loggers, collected scat samples, navigated to every backcountry site via GPS.

PROFESSIONAL
EXPERIENCE

San Mateo County Office of Education, San Mateo, CA.
NatureBridge. Yosemite, CA & Marin Headlands, CA.
Environmental Science Educator/Campus Coordinator **August 2012 - present**
At SMCOE and NatureBridge, a 501(c)(3), I design and teach lessons ranging from the carbon cycle to plant physiology to students in grades 5-12. I engage students in citizen science and stewardship. Promotion to Campus Coordinator in January 2013. As Campus Coordinator, I act as principal and operate logistics of a 200 student campus. Resolve conflicts between students and schools, communicate between departments, anticipate and solve problems.

PAPERS IN PREPARATION	Pauloo, R., He, K., Williams, S., Ragsac, A., Lee, N., Tho, K., Kilorian, K., Fine, P. 2011. "The Strawberry Canyon Research Plot and Investigation of the Factors Influencing Invasive Versus Native Woody Plant Establishment."
HONORS AND AWARDS	Alumni Leadership Award, UC Berkeley Alumni Association, 3 time recipient. Americorps Bonner Leader Award (for leadership in Social Justice and Service) Integrative Biology Commencement Student Speaker, class of 2012.
COMPUTER PROGRAMS	R (in progress. I'm currently taking an online course.) ArcGIS (elementary working proficiency)
LANGUAGES	Spanish (working proficiency) Portuguese (elementary working proficiency)