

Rachel Schweiker

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EDUCATION

Boston University College of Arts and Sciences; Boston, MA Sept 2009 – May 2013
Bachelor of Arts in Marine Science
Minors in Geography and Biology
GPA 3.92/4.0, Summa Cum Laude

Universidad San Francisco de Quito; Quito, Ecuador Jan – May 2012
BU study abroad Tropical Ecology Program

EXPERIENCE

VocaliD; Belmont, MA Oct 2015 – Present
Content Developer

- Design visualizations and compile text for investor materials (pitch deck, business plan)
- Guide message, brand, and direction of this early stage company

Understory Weather; Somerville, MA Feb 2015 – Sep 2015
GIS Intern

- Analyzed and visualized spatial data sets collected by dense networks of weather stations to find weather phenomena of interest to scientists and insurance companies.
- Conducted accuracy assessment, improved spatial interpolation methods, compiled marketing materials

Max Delbrück Center for Molecular Medicine; Berlin, Germany June 2013 – Sept 2014
Lab Technician; AG Poy: MicroRNA and Molecular Mechanisms of Metabolic Diseases

- Quantified the phenotypic effects of the loss or overexpression of certain proteins and microRNAs on pancreatic islets of transgenic mouse models to understand mechanisms of insulin-resistance in diabetes.

Dr. Finnerty's Genomic Biology Laboratory; Boston, MA June 2012 – May 2013
Undergraduate Research Opportunity Program (UROP) Fellow

- Investigated the differential mRNA expression that causes groups of sea anemones to adapt to heat stress.
- Online transcriptomic database formatting using Python, HTML, CSS, publication in review.

Dr. Fulweiler's Coastal Biogeochemistry Laboratory; Boston, MA Sept 2010 – Sept 2011
Undergraduate Researcher

- Investigated changes in the benthic nitrogen cycle, particularly an increase of the greenhouse gas, Nitrous Oxide, in response to hypoxic water and pollution in New England estuaries.

SKILLS, ACTIVITIES, & AWARDS

Technical: R, QGIS, Illustrator, Git, ENVI, Microsoft Office, GIMP, Mapbox Studio, Wordpress, ArcGIS 10.

Awards: Excellence in Marine Science Award-Valedictorian of program (2013), Phi Beta Kappa (2013), Dean's List (All semesters: 2010-2013), University Scholarship (\$104,000, 2009-2013).

Activities: Marine Science Association Treasurer (2012-2013), Marine Science graduation student speaker (2013), BU marine lab tour guide (2013), BU marine research semester (2011).

Extracurricular: rock climbing, cycling, ultimate frisbee, hiking, sailing, skiing, travelling, listening to podcasts.

Language: fluent English, conversational Spanish, basic German.