

RACHEL SCHWEIKER

With domain knowledge in biology and earth science,
I transform data into images through graphic design and statistics.

📍 165 Beacon St, Apt 42, Somerville, MA

📞 (612) 849-9760

✉️ rschweik1@gmail.com

🌐 rschweik.github.io (**portfolio**)

EXPERIENCE

Head of Content

VocaliD

Oct 2015 – Jan 2017; Belmont, MA

Designed audience-appropriate graphics and text for investors, technical reviewers, social media followers, conference attendees. Guided message, brand, and direction of this early stage digital voice company.

GIS Intern

Understory Weather

Feb 2015 – Sep 2015; Somerville, MA

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.

Lab Technician

Max Delbrück Center for Molecular Medicine

June 2013 – Sept 2014; Berlin, Germany

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.

Undergraduate Research Opportunity Program (UROP) Fellow

Dr. Finnerty's Genomic Biology Lab

June 2012 – May 2013; Boston, MA

Investigated the differential mRNA expression that causes groups of sea anemones to adapt to heat stress. Formatted the online transcriptomic database.

Undergraduate Researcher

Dr. Fulweiler's Coastal Biogeochemistry Lab

Sept 2010 – Sept 2011; Boston, MA

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.

EDUCATION

Master's of Arts in Statistics

Harvard University

Graduate School of Arts and Sciences

Sept 2016 – May 2017; Cambridge, MA

Bachelor of Arts in Marine Science

Minors in Geography and Biology

Boston University

College of Arts and Sciences

GPA 3.92/4.0, Summa Cum Laude, Phi Beta Kappa

Excellence in Marine Science Award

Sept 2009 – May 2013; Boston, MA

TOOLS

R	<div><div></div></div>
Python	<div><div></div></div>
QGIS	<div><div></div></div>
Illustrator	<div><div></div></div>
Photoshop	<div><div></div></div>
Git	<div><div></div></div>
HTML & CSS	<div><div></div></div>

ACTIVITIES

Marine Science Association Treasurer (2012-13)

Tropical Ecology Semester in Ecuador (2012)

BU marine research semester (2011)

EXTRACURRICULAR

Rock climbing

Cycling

Skiing

Travelling

Modeling