

EDUCATION

- **University of Maine** Orono, ME
Master of Science in Earth and Climate Science expected, July 2019; GPA: 4.0 Aug. 2017 – Jul. 2019
- **Williams College** Williamstown, MA
Bachelor of Arts in Geosciences Sep. 2009 – Jun. 2013

EXPERIENCE

- **Raspberry Shake, OSOP S.A.** Volcan, Chiriqui, Panama
Technical Support Specialist Aug. 2018 - Present
- **Self-employed** Various locations
Independent Survey Contractor Aug. 2018 - Present
 - **Selected clients:** e4sciences LLC, Oceaneering International Inc., State of Maine
- **University of Maine** Orono, ME
Graduate Assistant May 2017 - Present
 - **Research Assistant - Geophysics:** Research project on lake sedimentation using ground-penetrating radar. Creating sediment volume models for multiple lakes in New England, USA.
 - **Teaching Assistant - Earth Systems:** Upper-level undergraduate courses.
- **e4sciences LLC** Sandy Hook, CT
Geophysical Scientist Mar. 2014 - May 2017
 - **Team Leader - Land Geophysical Survey:** Led field team for Mobile LiDAR, ground-penetrating radar, and high-precision GPS surveys. Field interpretation, data handling, and on-the-ground operations decision-making.
 - **Team Leader - Marine Geophysical Survey:** Led field team for several types of survey. Bathymetric survey using multi-beam and single-beam echosounders. Profiling of sub-seafloor stratigraphy and utilities using sub-bottom sonar. Mapping of seafloor grain size, obstructions, and objects of interest using side scan sonar. Occasional work with cesium magnetometer. Field interpretation, data handling, and on-the-ground operations decision-making.
- **St. Michael's College** Colchester, VT
Assistant Nordic Ski Coach Oct. 2013 - Mar. 2014
 - **Athlete Development and Race Support:** Created and supervised individualized training plans for athletes. Technique instruction. Race day preparation and logistics.
- **Williams College** Williamstown, MA
Research and Teaching Assistant Jan. 2012 - Oct. 2013
 - **Research Assistant - Alpine Hydrogeology:** Undergraduate thesis research, focused on snowmelt hydrology of two adjacent alpine basins in the Colorado Front Range.
 - **Teaching Assistant - GIS and Remote Sensing, Geomorphology:** Undergraduate TA, responsible for grading, assisting in lab setting, and occasionally teaching lecture.

VOLUNTEERING

- **University of Maine Geology Club** Orono, ME
Vice President Sep. 2018 - Present
- **Williams College Class of 2013** Williamstown, MA
Co-President Jun. 2018 - Present

PROJECTS

- **Lake-bottom geology of New England:** Multiple geophysical survey methods in lake environments.
- **Geophysical Data Conversion:** Conversion of proprietary ground-penetrating radar files to open-source formats.
- **Seismic Monitoring:** Web-based visualization of near real-time seismic monitoring data using Python.

PROGRAMMING SKILLS

- **Languages:** Python, bash, Matlab, CSS, L^AT_EX
- **Technologies:** UNIX/Linux, IoT, AWS, Windows OS