

Education

University of California Irvine PhD – Earth System Science	[05/2020 – present]
University of Colorado Boulder BA – Environmental Science <i>Magna Cum Laude</i> <i>Minors – Atmospheric & Oceanic Science; Ecology & Evolutionary Biology</i>	[08/2014 – 05/2018]
School for International Training Study Abroad (Australia) – Sustainability and the Environment (field based)	[01/2017 – 05/2017]

Experience

Graduate Student Researcher – University of California Irvine Irvine, CA – GSR in Dr. Benis Egoh's group, studying climate change impacts on ecosystem services, and how machine learning techniques can be integrated to assess impacts	[05/2020 – present]
Instrument Systems Field Ecologist Technician – National Ecological Observatory Network CO – Monitoring eddy flux towers and over 50 atmospheric/terrestrial sensors at 4 field sites, climate data acquisition, assisting field research procedures (climate, flora and fauna), data QC/analysis, & lab duties.	[04/2019 – 11/2019]
Research Assistant – National Snow and Ice Data Center Boulder, CO – Assisted in the creation of a data integration tool and sea-ice tracking website, edited and proofread scientific reports, books, & journal submissions, collected and edited satellite data/photographs to extend the cryospheric satellite record, participated in meetings & other administrative/lab duties.	[08/2017 – 08/2018]
Undergraduate Honors Researcher – University of Colorado Boulder Boulder, CO – Independent Honors Research, Modeling a drainage basin's landscape responses to future climatic scenarios. Supervised by Dr. Jennifer Kay, Dr. Jai Syvitski, and Dale Miller.	[04/2017 – 05/2018]
Visiting Student Researcher – University of Sydney Sydney, NSW – Worked 140 hours with the Earthbyte geoscience team. Utilized and helped improve the landscape evolution model: Badlands. Research later presented at Sydney Science Forum & used in USYD undergraduate class. Supervised by Dr. Dietmar Muller and Dr. Tristan Salles.	[03/2017 – 04/2017]
Climate Outreach Coordinator – Environment Colorado Boulder County, CO – Connected with local businesses, professors, elected officials, etc. Created relationships to garner support for environmental policy. Acquired >100 signatures to our campaign letter. Engaged with local media through op-eds/opinion pieces communicating climate science to a broad audience.	[01/2016 – 05/2016]
Student Mentor – School for International Training Mentor and advisor for prospective and current environmental science study abroad students.	[08/2017 – 10/2019]



Publications

Manley K., Salles T., and Müller RD. (2020), Modeling the Dynamic Landscape Evolution of a Volcanic Coastal Environment Under Future Climate Trajectories. *Front. Earth Sci.* 8:550312. doi: 10.3389/feart.2020.550312

Activities and Awards

- **Magna Cum Laude (for thesis work)** – 2018
- **Thesis Defense Presentation** – 04/2018
- **University of Colorado Boulder EBIO Fair Research Poster Presenter** – 04/2018
- **International Education Week Research Poster Presenter** – 11/2017
- **School for International Training Scholarship** – 2017
- **Jefferson County Schools Foundation 'My Hero Award'** – 2014
- **US Marine Corps Distinguished Athlete Award** – 2014
- **Kyle Manley Award** – 2014 (Award named after Kyle his senior year)
- **Young Buddhist Association** – 2010-2015

Volunteer Experience

CLEAN Education Volunteer (Climate Literacy Empowerment And iNquiry) (2021 – Present)

Shining Stars Foundation Pediatric Cancer Mentor (Aug 2019 – Dec 2020)

Denver Buddhist Temple Volunteer (2004 - Present)

NOAA Citizen Scientist Volunteer (2019 – 2019)

Growing Gardens Boulder Volunteer (Summer 2017)

Impact Climate Action Campaign Volunteer (Spring 2016)

Basketball Youth Coach (2010-2019)