

SABBATHIEL J. GREENE

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EDUCATION

Truckee Meadows Community College, Reno, NV, 2021 - 2023

A.S. Math and Physical Sciences

Cum Laude

University of Nevada, Reno, Reno, NV, 2023 - present

In pursuit of B.S. Hydrogeology with a minor in Mathematics

EXPERIENCE

Laboratory Aide: *Microplastics and Environmental Chemistry Laboratory, Division of Hydrologic Sciences, Desert Research Institute, Reno, NV, 2024 - present*

Field Experience: Water quality and environmental chemistry water sampling using various water sampling methods in post-wildfire environments. Microplastic water sampling in the Lake Tahoe Basin using a peristaltic pump and in-line filtering method. Cave lint microplastic sample collection in the Lehman Caves. Grab sampling and stream characteristic measurements using YSI and USGS instruments.

Lab Experience: Analyzed deposited particles using FTIR and Leica microscopes. Handled hazardous chemicals. Sample Processing, filtering reagents, glassware cleaning, and pipetting.

Office/Research Experience: Collected and managed data. Created graphs, models, maps, and posters. Recorded meeting minutes.

**Undergraduate Research Internship: “*Are Beaches a Source of Litter to Lake Tahoe?*”
Microplastics and Environmental Chemistry Laboratory, Division of Hydrologic Sciences,
*Desert Research Institute, Reno, NV, Summer 2024***

Field Experience: Collected and categorized litter from the beaches of Lake Tahoe. Team support, site surveying, and field note taking.

Research Experience: Created standard operating procedure for the categorization of litter collected by Searial Cleaners’ beach cleaning robot, BeBot. Processed and visualized data using Microsoft Excel. Created maps using ArcGIS.

Laboratory Assistant: *Carbon Laboratory, Environmental Analysis Facility, Division of Atmospheric Sciences, Desert Research Institute, Reno, NV, 2023-2024*

Lab Experience: Performed analyses of air sampled carbon deposits. Performed routine mechanical maintenance on DRI 2015 Multiwavelength Carbon Analyzers. Changed gas tanks, chemical handling, and pipetting.

Office/Research Experience: Performing QA/QC on completed analyses.

CONFERENCE PROCEEDINGS

Eves, R., Broncho, L., **Greene, S. J.**, Paz Flores, M. G., Saftner, D. M., DePauw, A., & Arienzo, M. M. (2025). Understanding the Litter Under the Surface of Lake Tahoe Beaches. 2025 NWRA Annual Conference: Reno, NV

Greene, S. J., Daniel, A. T., Lutz, A. D., & Saftner, D. M. (2025). Water Resource Plans for Rural Nevada Counties. NWRA 2025 Conference: Reno, NV

ADDITIONAL WORK EXPERIENCE

Seed-To-Table Educator: *Urban Roots Teaching Farm*, Reno, NV, Summer 2023

Au Pair: *La Famiglia Giorgini-Guidi*, Mariano Comense, Lombardia, Italia, Summer 2022

Youth Counselor: *Community Chest Inc.*, Virginia City, NV, 2017-2022

VOLUNTEER EXPERIENCE

Community/Educational Enrichment: *Global Voice*, Loreto, Baja California del Sur, México, Summer 2018, Winter 2019

Geological Field Exploration Guide: *Reno Gem and Mineral Society*, Virginia City, NV, Spring 2023

Community Clean-ups: Keep Truckee Meadows Beautiful, Reno, NV, 2022- present.

SKILLS AND CERTIFICATIONS

CPR Certification (Adult and Child), 2023-2025

Laboratory Safety & Managing Hazardous Waste Training, 2023- present.

Lazer Safety Training, 2023-present

Field Safety Training, 2024-present

Responsible Conduct of Research Training, 2024- present

LANGUAGES

English (United States), C2, Fluent

Swedish (Sweden), C2, Fluent

Spanish (Spain), B1, Limited working proficiency