

ELIZABETH M. TREVATHAN

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EDUCATION Macalester College in St. Paul, MN (2022 to Present)
Majors: Geology and Geography
GPA: 3.73
Extracurriculars: GeoClub member, Women's Tennis

OBJECTIVE I intend to pursue a Ph.D. in Hydrology and research the influence of climate change on the physical circulation of ocean water and its impact on coastal and glacial environments. I am eager to learn how to integrate remote sensing and GIS into this research. I recognize the importance of integrating science communication into this field for the bettering of environments.

EXPERIENCE *Teaching Assistant, Macalester Geography, Assistant Professor Xavier Haro-Carrión, Aug. 2023 – Present*

- Prepare in-class assignments, assist students, host office hours and study sessions, coach essay writing, and grade assignments and essays for GEOG 239: Neotropical Landscapes and GEOG 204: Earth and the Environment – Elements of Physical Geography.

Lab Assistant, Macalester Geology, Laboratory Supervisor Jeff Thole, June – Sep. 2023

- Organize a collection of ~500 Lake Superior agates based on physical characteristics and create a Google Sheets database.
- Prepare concise summaries of recent scientific articles on agate genesis.
- Use Micro-XRF Spectrometry for elemental analysis.
- Prepare thin sections for petrographic microscope analysis.

Apprentice Tennis Professional, Fridley Life Time, June – Aug. 2023

- Introduce beginners to tennis fundamentals, assist ongoing player development aligning with program objectives, develop dynamic group lesson plans that adapt to varying experience and athletic levels.

Water Education Intern, Washington Conservation District, Water Education Senior Specialist Angie Hong, May 2022

- Produce news articles detailing town council meetings, district workshops, and presentations. Includes interviewing presenting experts and community members and photographing the event.
- Develop educational writing and infographics about cities' sustainability initiatives.

Volunteer, Afton State Park, Interpretive Naturalist Linda Radimecky, May 2022

- Organize educational materials, prepare school field trips, and oversee safety protocols during archery field trips.

Director of RubicOnline, St. Paul Academy, May 2020 – Apr. 2022

- Supervise quality control and staff members, set agendas for content, and coordinate new initiatives for RubicOnline, St. Paul Academy's online student news publication.
- Develop weekly class plans to complete training and production goals, present and coach staff on skills needing improvement, and develop ethical journalism policies in relation to press law.

AWARDS

DeWitt Wallace Distinguished Scholarship, Macalester College, 2022: awarded for achievements in high school, demonstrated by academic record and contributions to the community.

Edward J. Neil Scholarship, Quill and Scroll National Honor Society, 2022: awarded based on the applicant's contributions to student media, academic achievements, and commitment to diversity in their reporting.

Minnesota Journalist of the Year, Journalism Education Association, 2022: recognizes top student journalists in the country based on journalism portfolio. My portfolio can be viewed at elizabethrevathan.com/portfolio.

Crown Award, Columbia Scholastic Press Association, 2022: Judge's Choice - "Hurting journalists while they report is unacceptable. King explains why."

National Journalism Honor Roll, National Scholastic Press Association, 2020-22

Honorable Mention Short Story, Scholastic Art & Writing Awards, 2022: awarded for an original short story, "Dr. Holland's Office."

Best of SNO, Student Newspapers Online, 2020-22: 5 articles recognized as excellent online student journalism.

Membership, Quill and Scroll National Honor Society, 2021: membership awarded as recognition of high-quality contributions to a student publication.

Opinion Honorable Mention, Yale Daily News Symposium, 2021: awarded for the opinion article, "What's in your Starbucks cup? Probably slave labor."

PROGRAMMING & COMPUTER SKILLS

Experience with Wolfram Mathematica

Experience with WordPress, including website design

Proficiency with Microsoft 365, including Excel and Word

Intermediate experience with ArcGIS Pro – enrolled in GEOG 255: Intro to GIS in Spring 2024

LAB SKILLS

Experience with Micro-XRF Spectrometry

Practice with preparing thin sections for petrographic microscopic analysis

OTHER SKILLS

Strong editing and collaboration abilities

Familiarity with Adobe Creative Cloud: InDesign, Illustrator, Photoshop

Intermediate photography skills and photo editing skills