

Alex A. Quizon, PhD

Ann Arbor, MI • aquizon17@gmail.com

Website: alexaquizon.com

Objective

PhD researcher from the University of Michigan's Department of Earth & Environmental Sciences - seeking to apply background in carbonate geochemistry, oceanography, & climate science to a collaborative role in research coordination, project management, & science communication/outreach.

Professional Employment History

Center Staff Operations & Student Program Manager

NSF - Center for Land Surface Hazards (CLaSH)

2026-present

- Oversee center operations, communications, & event planning.
- Supervise student programming (e.g., hazard education field course, outreach).

PhD Carbonate Geochemistry Researcher & NSF-GRFP Fellow

University of Michigan - Ann Arbor

2021-2026

- Analyzed isotopic data in fossil (& modern) carbonate seashells to reconstruct past climate, oceanography, & hydrology.
- Managed 5 first-author and 2 co-author scientific investigations in collaboration with international, interdisciplinary researchers.
- Conducted field work in Plio-Pleistocene sediments and shell beds across SC/FL.
- Curated citizen science collections of mollusk, seawater, & freshwater samples.
- Coordinated multiple conference sessions, professional development & science comm. workshops, alumni networking events, etc.

Staff Lead & Program Instructor

EARTH Camp (University of Michigan)

2024

- Directed 3 week-long field programs to introduce HS students to geosciences - based at the UM Biological Field Station (MI) & Camp Davis Field Station (WY).

Education

University of Michigan - Ann Arbor Ph.D. Earth & Environmental Sciences

2021-2026

Awards & Distinctions: NSF Graduate Research Fellow (NSF-GRFP), Outstanding Graduate Student Instructor, Mark Robbins Innovative Teaching, Outstanding Graduate Student Service, UM Museum of Natural History Science Communication Fellow

Williams College

B.A. Chemistry (conc. Maritime Studies)

2017-2021

Awards & Distinctions: Stephen H. Tyng Scholarship, Dennis W. Nixon Prize for Marine Policy, ACS Analytical Chemistry, Sigma Xi - Geosciences, Outstanding Teaching Assistant - Chemistry, Class Musician

Leadership & Relevant Experience

UM GeoClub: Co-President (2025-2026),

Outreach & Career Coordinator (2024-2025).

Michigan Geophysical Union: Conference Co-Chair (2024-2025), Committee (2021-2026).

UM Center for Research on Learning & Teaching:

Foundational Course Initiative, Course Consultant for Introduction to Oceanography (2022-2024).

Community Support Committee: Graduate Student Representative (2024-2026).

Skills & Strengths

Programming: R, Matlab, Python, Java, Mathematica.

Software & Business: Microsoft Office, ArcGIS Pro, Adobe Illustrator, Canva, Slack, MailChimp.

Lab: Mass spectrometry (IRMS, GC/LC-MS), SEM/EDS, IR/Raman/UV-Vis spectroscopy, DIC Analyzer, EA, YSI.

Intrapersonal: Project management, teamwork, organization, mentorship, science communication.

Select Publications

Quizon, A.A., Gomes L.D., Petersen, S.V., VanDeVelde, J. (2026). Seawater salinity and oxygen isotopes along the U.S. East Coast from 24°N to 44°N. (*Nature Research Scientific Data*).

Quizon, A.A., Petersen, S.V., deWinter, N.J., Vellekoop, J. (2025). Clumped isotope thermometry measurements in marine gastropods suggest equilibrium precipitation. *Geochimica et Cosmochimica Acta*, 410, 234-249.