

ELIZABETH VINARSKI

PhD Student

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EDUCATION

University of Miami | Rosenstiel School of Marine, Atmospheric, & Earth Science, Miami, FL August 2027
PhD, Marine Geosciences

Catholic University of America | Rome School of Music, Drama, & Art, Washington, D.C May 2019
Bachelor of Music, Musical Theater

- Minor, Mathematics
 - Honors in Liberal Studies
 - Graduated Summa Cum Laude
 - Dean's List 2015-2019
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RESEARCH AND FIELD EXPERIENCE

Rosenstiel School of Marine, Atmospheric, and Earth Science, Miami, FL August 2022 – Present
Graduate Research Assistant – Guoqing Lin Seismology Group

- Assisted with data collection, analysis and review for publication and presentation
- Implemented ambient noise interferometry techniques produce velocity variations associated with volcanic eruptions
- Served on multiple committees for the growth of the Rosenstiel campus community

Mauna Loa Seismic Study, Volcano, HI May – November 2024
Field Assistant

- Participated in seismic nodal deployment via helicopter
- Completed aviation and wilderness first aid training
- 8 hours of flight time

Kilauea Summit Seismic Imaging Project, Volcano, HI May – July 2023
Field Assistant

- Participated in seismic nodal deployment on road crew
- Coordinated with team of 4 to efficiently and successfully deploy and retrieve over 400 nodes in short time-frame

PRESENTATIONS

- Vinarski, E.**, S. Roecker, G. Lin, D. O'Connell, R. Denlinger, N. Bennington, M. Haney, A. Flinders, R. Kramer, 2024: *Initial Wavespeed Images of Kīlauea Based on the Analysis of Seismic Data Recorded by the 2023 Kīlauea Summit Experiment*. American Geophysical Union Fall Meeting, Washington, D.C. *Oral Presentation*.
- Vinarski, E.** and G. Lin, 2024: *Systematic Investigation and Comparison of the 2018 and 2020 Kīlauea Volcano Eruptions Based on Ambient Seismic Noise Analysis*. Seismological Society of America Annual Meeting, Anchorage, AK. *Oral Presentation*.
- Vinarski, E.** and G. Lin, 2023: *Temporal Velocity Variations Associated with the 2020 Eruption of Kīlauea Volcano in Hawai'i, Revealed by Ambient Noise Cross Correlation*. American Geophysical Union Fall Meeting, San Francisco, CA. *eLightning Presentation*.
- Vinarski, E.**, G. Lin, and P. Shearer, 2023: *Temporal Velocity Variations Associated with the 2020 Eruption of Kīlauea Volcano in Hawai'i, Revealed by Ambient Noise Autocorrelation*. Seismological Society of America Annual Meeting, San Juan, PR. *Oral Presentation*.
- Vinarski, E.**, G. Lin, and P. Shearer, 2022: *Temporal Velocity Variations Associated with the 2020 Kīlauea Volcano Eruption in Hawai'i, Revealed by Ambient Noise Autocorrelation*. American Geophysical Union Fall Meeting, Chicago, Illinois. *Poster Presentation*.
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AWARDS

Outstanding Student Presentation Award, American Geophysical Union Fall Meeting December 2024

TEACHING EXPERIENCE

Athletic Tutors, University of Miami January 2025 - Present
Geoscience & Mathematics Tutor

GSC 110: The Earth System, University of Miami August 2023 – May 2024
Graduate Teaching Assistant

Tutorial Resources, Tutorial Resources August 2021 – June 2022
Mathematics & Organizational Skills Tutor

Department of Music, Trinity High School November 2020 – March 2021
Composer/Assistant Musical Director

Department of Music, Trinity High School October 2019 – March 2020
Musical Director

SERVICE AND LEADERSHIP

Article Peer Review, Geophysical Research Letters

Student Travel Fund Committee, University of Miami
Committee Member

December 2023 – Present

Marine Science Graduate Student Organization, University of Miami
Events Chair

August 2023 – June 2024

Student Let Evaluations and Development Committee, University of Miami
Co-chair/Student Representative

August 2021 – June 2023

Department Seminar Series “Geotopics”, University of Miami
Host/Organizer

January 2022 – June 2023

SKILLS & CERTIFICATIONS

- Certifications: IAT A-100 Basic Aviation Safety, IAT A-110 Aviation Transportation of Hazardous Materials, IAT A-200 Mishap Review, Wilderness First Aid, ASA 101 Keelboat 1 Sailing
- Computational Skills: Fortran 90, Python, Generic Mapping Tools, Shell Scripting