

Jillian Herlinger

Ph.D. Student, Northwestern University

2145 Sheridan Road, Tech. F374
Evanston, IL 60208-3130

414-930-8819
jillian@u.northwestern.edu

Education

Northwestern University, Evanston, IL

Ph.D., Earth, Environmental, and Planetary Sciences, 2025-present (anticipated 2030), GPA: 4.0/4.0

Advisor: Dr. Matthew Hurtgen; Committee: B. Sageman, Y. Axford

University of Maine, Orono, ME

Master of Science in Earth and Climate Sciences, 2023-2025, GPA: 3.9/4.0

Thesis: "Paleoceanographic Reconstructions of Laurentide Ice Sheet Meltwater in the Gulf of Maine"

Advisor: Dr. Katherine A. Allen; Committee: A. Putnam, B. Hall, J. Russell (U. Arizona)

Calvin University, Grand Rapids, MI

Bachelor of Science in Geology with Honors, 2019-2022, GPA: 3.9/4.0

Concentration in Earth and Planetary Studies, Minor in Geography

Certificate in Geographic Information Systems

Research Experience

Northwestern University Evanston, IL

9/2025 – present

Graduate Student Researcher, pre-candidacy; Advisor: Dr. Matthew Hurtgen

University of Maine Orono, ME

7/2023 – 7/2025

Graduate Research Assistant; Advisor: Dr. Katherine Allen

Calvin University Grand Rapids, MI

6/2020 – 12/2022

Student Researcher; Advisor: Dr. Melinda Higley

Projects: "Using Ground-Penetrating Radar to Assess Coastal Landform Stability", "GPR-Based Model of a Dune Paleosol: An Example from Holland, Michigan, USA"

GZA GeoEnvironmental Brookfield, WI

6/2021-8/2021

Geospatial Scientist Intern

Calvin University Grand Rapids, MI

8/2020-5/2021

First Year Research in Earth Sciences (FYRES) Research Mentor

Grants and Awards

Geological Society of America (GSA) Graduate Student Research Grant (2026)

Barry Goldwater Scholarship (2022)

Bruce B. Dice Geology Scholarship/Fellowship, Calvin University (2021-2022)

Geological Society of America (GSA) Student Travel Grant (2022)

Outstanding Graduating Senior in Geology, Calvin University (2022)

Michigan Space Grant Consortium Undergraduate Research Fellowship (2021) - Awarded; did not accept.

Davis Young Research Grant, Calvin University (2020)

Selected Teaching and Outreach Experience

<i>Northwestern University</i> Evanston, IL	3/2026 – 6/2026
Teaching Assistant: EARTH 170 - Earth and the Biosphere	
<i>University of Maine</i> Orono, ME	8/2024 – 12/2024
Earth and Climate Sciences Fall Research Seminar Coordinator	
<i>Maine Science Festival</i> Bangor, ME	3/2024
Exhibitor; with University of Maine Paleoceanography Group	
Session: Eighth Grade Field Trip Day, “Diving into Ancient Oceans”	
<i>Bruce Dice Mineralogical Museum, Calvin University</i> Grand Rapids, MI	1/2021 – 12/2022
Museum Curator (Fellowship)	

Professional Associations

American Geophysical Union
Association for Women Geoscientists

Cushman Foundation for Foraminiferal Research
Geological Society of America

Selected Publications and Presentations

Herlinger, J., Tretina, V., Podrecca, L., Sageman, B., and Hurtgen, M. (2026). “Tracking the Marine Sulfate Reservoir Through OAE1a”. To be presented at the Geological Society of America Connects Annual Meeting 2026, poster presentation.

Herlinger, J. F., Allen, K. A., Hall, B. L., Putnam, A. E., Handley, M. J., Lowell, T. V., & Russell, J. L. (2026). Intensified Meltwater Influx During Heinrich Stadial 1 Recorded in the Gulf of Maine, USA. *Paleoceanography and Paleoclimatology*, 41(5), e2026PA005442.
<https://doi.org/10.1029/2026PA005442>

Herlinger, J., Allen, K., Putnam, A., and Russell, J. (2024). “Paleoceanographic Reconstructions of Laurentide Meltwater during the Last Glacial Termination in the Gulf of Maine”. Presented at the Meeting of the American Geophysical Union 2024 (AGU24), poster presentation.

Herlinger, J. & Allen, K. (2024). “Tracking the Demise of the Laurentide Ice Sheet: A New View from the Gulf of Maine”. University of Maine Earth and Climate Sciences Graduate Student Research Seminar; poster presentation.

Herlinger, J., & Higley, M. (2022). “GPR-Based Model of a Dune Paleosol: An Example From Holland, Michigan, USA”. Geological Society of America Joint 56th Annual North-Central/ 71st Annual Southeastern Section Meeting – 2022; oral presentation.
<https://doi.org/10.1130/abs/2022nc-374733>

Herlinger, J., & Higley, M. (2021). “Using Ground Penetrating Radar to Investigate the Geomorphic History of Tunnel Park, MI”. Annual Meeting of the Michigan Academy of Science, Arts, and Letters 2021; oral presentation.

Millen, N., **Herlinger, J.**, Rudy, A., Machiela, J. and Tulp, E. (2021). “A Cumulative Look at Michigan Dune Management”. Annual Meeting of the Michigan Academy of Science, Arts, and Letters, Virtual Conference hosted by Alma College, Michigan, 12 March 2021; poster presentation.

Herlinger, J. and Higley M. (2020). “Using Ground-Penetrating Radar to Assess Coastal Landform Stability”. Calvin University GEO Department Seminar; 2020 October 9; Grand Rapids, MI; oral presentation.