**Kaitlyn E. Horisk**

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**Interests\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

I am a broadly trained scientist and educator with experience in both formal and informal education settings. I am interested in career opportunities in natural history outreach and environmental education.

**Education \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

*The Pennsylvania State University (Penn State), PhD, Geosciences, May 2024*

“Plants, precipitation, and people in Dhofar, Oman: Dryland ecosystem resilience in a changing world”

*State University of New York at Binghamton, BA Anthropological Perspectives & BS Geological Sciences, magna cum laude, 2019*

**Interpretation \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_**

* 2021-Present, Graduate Student Representative, EMS Museum & Art Gallery Advisory Board, Penn State
* 2022-2023: Project Manager, Cretaceous Oceans and Climate Exhibit, Earth and Mineral Sciences (EMS) Museum & Art Gallery, Penn State
* 2022: Professional Development, Evaluating Interpretive Exhibits, Museum Study, September 2022
* 2022: Volunteer, Wildlife Ambassador and Educator,Shaver’s Creek Environmental Center, Penn State
* 2021: Panelist, Upward Bound Programs, “Climate Change Day” interviews and panel event, Penn State
* 2021: “Current Science” Presenter, Cleveland Museum of Natural History
* 2020: Content Creator, STEM Thursdays, Eberly College of Science, Penn State

**Teaching \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

* Spring 2024: Adjunct Instructor, The Earth System and Global Change (EARTH 2), Penn State DuBois
* Fall 2020, Fall 2022, Spring 2024: Teaching Assistant, Geobiology (GEOSC 204), Department of Geosciences, Penn State University
  + Developed two lab assignments in collaboration with the EMS Museum & Art Gallery: <https://www.psu.edu/news/earth-and-mineral-sciences/story/3d-earth-and-mineral-science-museum-exhibit-imagines-life-time/>
  + Taught lab classes through in-person instruction
  + Delivered a lecture on “The Sixth Mass Extinction”
* 2022: Instructor of Record, Geology of the National Parks (GEOSC 010), Penn State Department of Geosciences.

**Mentorship \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

* 2022: Senior Thesis Co-supervisor, Student project: Polycyclic Aromatic Hydrocarbons extraction and analysis
* 2020-Present: Mentor-Mentee Program Mentor, Association for Women Geoscientists, Penn State Chapter
* 2021: Senior Thesis Co-supervisor, Student project: Assessing the representativity of local vegetation in rock hyrax middens
* 2019-2021: Mentor-Mentee Program Executive, Association for Women Geoscientists, Penn State University Chapter

**Research \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

* 2019-Present: Team Member, Ancient Socio-ecological Systems in Oman (ASOM) Project, Penn State Paleoecological team in collaboration with the Ohio State University archaeological team and the Oman Ministry of Heritage and Tourism
* 2021: Data Steward, African Pollen Database and Neotoma Paleoecology Database
* 2020: Paleoecological Fieldwork, Hyrax midden survey and collection and estuary coring in Dhofar, Oman (ASOM Project)
* 2018: Geological Field School: 4 weeks of geologic mapping, State University of New York at Buffalo
* 2017-2019: Undergraduate Senior Thesis, Time series analysis Ross Sea,

Antarctica, Department of Geological Sciences, State University of New York at Binghamton

* 2016-2019: Castro Colonies Archaeology Lab Assistant, Department of Anthropology, State University of New York at Binghamton

**Grants\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

2021 Honorable Mention NSF Graduate Research Fellowship

2020 Elsevier Organic Geochemistry Research Scholarship

2020 Cleveland Museum of Natural History John H. Hoskins Grant-in-Aid Program

**Awards \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

2023 Teaching Assistant Award, Penn State, EMS Department of Geosciences

2022 Krynine Award, Penn State, EMS Department of Geosciences

2022 Richard Standish Good Graduate Scholarship, Penn State, EMS Department of Geosciences

2022 Richard R. Parizek Graduate Fellowship, Penn State, EMS Department of Geosciences

2021 Marilyn L. Fogel Student Research Fund in Biogeosciences, Penn State, Earth and Environmental Systems Institute

2020 RJ Cuffey Fund for Paleontology, Penn State, EMS Department of Geosciences

2020 Michael Loudin Family Graduate Scholarship, Penn State, EMS Department of Geosciences