

Hunter Reeves

Graduate Research Assistant at University of Texas at Austin Institute for Geophysics

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410-656-1527

EDUCATION

- PhD, Geosciences** **Expected May 2028**
University of Texas at Austin, Austin, TX
Advisor: Dr. Donald Blankenship
- Bachelor of Science, Geosciences** **May 2023**
Penn State University, University Park, PA
Advisor: Dr. Charles Ammon
- Minor, Planetary Science and Astronomy** **May 2023**
Penn State University, University Park, PA
Advisor: Dr. Robert Morehead
- Minor, Geophysics** **May 2023**
Penn State University, University Park, PA
Advisor: Dr. Kevin Furlong

RESEARCH EXPERIENCE

- Doctoral Research** **May 2022 – May 2023**
In my current research, I focus on terrestrial analogs for Jupiter's moon Europa. I look at Antarctic ice fabric to compare how terrestrial fabric analogs may compare to ice dynamics and properties we expect to find in the ductile layer of Europa's ice shell. I am also a graduate affiliate on NASA's Europa Clipper Mission.
Research Advisor: Dr. Donald Blankenship
- Penn State Undergraduate Research** **May 2022 – May 2023**
Thesis: Determining Volcanic Eruptive Timescales of the Wrangellia Large Igneous Province using Diffusion Profiles and Elemental Mapping
Research Advisor: Dr. Brian Kelley
Research Advisor: Dr. Tushar Mittal

WORK EXPERIENCE

- University of Texas at Austin Graduate Research Assistant** **July 2023 – Present**
- Penn State University Disability Notetaker** **August 2022 – December 2022**
List of Responsibilities: Taking and creating digital copies of notes for students with disabilities Astro 401 – Fundamentals of Planetary Science and Astronomy
- Penn State University Student Driver** **June 2022 – July 2022**
List of Responsibilities: Driving to and from fieldwork sites during Geosc 472A/472B – Geosciences Field Camp

Awards and Achievements

Penn State University:

Senior Thesis Research Funding	Fall 2022
Benjamin F. Howell, Jr. Award in Geosciences	Fall 2022
The Bruce Miller Scholarship in the College of Earth and Mineral Sciences	2022-2023
AWG Field Camp Equipment Scholarship	Summer 2022
Timothy B. and Cindie Lynch Mullen Scholarship	Summer 2022
John and Elizabeth Holmes Teas Scholarship Fund	2021-2022
James and Nancy Hedberg Scholarship in Geosciences	Fall 2021
Arthur P. Honess Memorial Award	Fall 2020

CLUBS AND ORGANIZATIONS

Geosciences Club – Vice President

May 2022 - May 2023

As Vice President, it is my job to help create an inclusive community within the club, hold fundraising events, help plan club activities, bring in guest speakers, and plan faculty dinners to act as a liaison between club members and research opportunities within the Geosciences Department.

EMS Student Council

August 2019 - May 2023

I attend student council meetings to build student connections and stay active in EMS college events. I participated as a mentor in TEEMS, an event for incoming freshman to make friends and become acclimated to college lifestyle in EMS. I participated in EMEX, an event that provides information and fun activities to high school seniors who either plan to join the college of EMS or are still picking a school to attend.

EMS THON

August 2021 - May 2023

The EMS college fundraising and event planning part of THON. I attend events and raise money in the fight against childhood cancer.

EMS Connect

August 2021 - May 2023

I attend monthly meetings to discuss and plan the EMS Connect event, a way for students coming from branch campuses to acclimate to life at PSU's main campus.

Field Work Experiences

Nevada (Four days)

May 2022

Spent four days in the field, taking samples of carbonate rocks thought I have been deposited at roughly the same time as the Wrangellia Large Igneous Province and find fossils to help constraint the timeline for my senior thesis research.

Field Camp (5 weeks)

June 2022 – July 2022

Spent 5 weeks (Montana, Wyoming, Idaho, and Utah) in with Geosciences professors and graduate students to study and understand different geological structures and time periods and to use ArcGIS to map contacts between different depositions.

Geosc 470W

Fall Semester 2021

A class designed to teach field skills such as noting observations, making interpretations, and measuring strata.