

Ethan S. Heidtman

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State College, PA

www.linkedin.com/in/ethanheidtman

Education:

Pennsylvania State University:

State College, PA

Ph.D. Geosciences (Projected Dec. 2029)

Relevant Coursework: Issues in Geoscience, Computational Ecohydrology

University of Maryland College Park:

College Park, MD

*BSc Atmospheric & Oceanic Science (Aug. 2024) **Cumulative GPA 3.91***

Relevant Coursework: Physical Meteorology, Earth System Science & Climate Dynamics, Remote Sensing, Atmospheric Thermodynamics, Atmospheric Dynamics, Senior Thesis (I + II)

University of Maryland College Park:

College Park, MD

BSc Geology (Aug. 2024)

Cumulative GPA 3.91

Relevant Coursework: Historical Geology, Optical Mineralogy, Petrology, Observational Geophysics, Seismology, Sedimentation & Stratigraphy, Structural Geology, Senior Thesis (I + II), Geology Field Camp in Scotland

Work Experience:

Research Assistant – Hadjimichael Lab, PSU

Aug. 2024 - Present

- ❖ Modeling complex hydrological-human systems under conditions of deep uncertainty, climate change

Senior Honors Theses – Prestegaard Lab, UMD

Aug. 2023 – May 2024

- ❖ Geology Thesis: “Investigation of High Elevation Drivers of Snowpack and Streamflow Characteristics in the American West”
- ❖ Atmospheric & Oceanic Science Thesis: “The Role of the Pacific Decadal Oscillation in Western American Snowpack Patterns”

Research Intern – ESSIC, UMD

Jun. 2023 – Aug. 2023

- ❖ Assessed the performance of NOAA’s offline Noah Land Surface Hydrological model in simulating observed snowpacks in the western United States

Technical Skills:

- R and RStudio
- Python
- MATLAB
- Linux
- Geological Field Mapping
- Microsoft Suite

Scholarships and Awards:

UMD Geology Outstanding Senior Thesis Award: awarded May 2024

Henry E. Fleming Scholarship: awarded May 2024

Green Scholarship in Environmental Science and Restoration: awarded Jan. 2024

Winston Family Honors Award: awarded Spring 2021 for honors course research paper

Presentations and Publications

UMD Atmospheric & Oceanic Science Senior Research Symposium

Activities and Organizations:

University of Maryland University Honors Program: 2020-2024:

- ❖ Completed 15-credits of interdisciplinary coursework

University of Maryland American Meteorological Society: 2020-2024

- ❖ Aided in installation and setup of campus weather station for the UMD Mesoterps, a group aiming to create a micronet on campus

University of Maryland Geology Club: 2020-2024