

# Sophia Freemyer

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## Education

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### Bachelor of Science in Environmental Engineering

Expected May 2026

University of Pittsburgh | Swanson School of Engineering | David C. Frederick Honors College

Cum. GPA: 3.989

Minors: Geology and Chemistry

Certificate: Public Communication of Science and Technology

## Experience

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### Department of Energy SULI Intern | Oak Ridge National Laboratory

May 2024-August 2024

- Worked within the Geochemistry and Interfacial Science Group
- Project in barite nucleation in electrolyte solutions.
- Wrote a paper and presented a poster about research completed.
- Created solutions, utilized a laser confocal microscope, and analyzed data.
- Assisted postdoctoral staff in the laboratory on various projects.

### INHALE Lab | Haig Research Group at the University of Pittsburgh

February 2024-April 2024

- Collected weekly samples of particulates using Airborne Particle Counter
- Helped maintain lab conditions and test water chemistry

## Extracurriculars

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### Varsity Marching Band (VMB) | Squad Leader

August 2022-Present

### Varsity Marching Band Council | Vice President

January 2023-Present

- Facilitates direction of weekly meetings
- Serve as liaison between Athletics Department and Council

### Kappa Kappa Psi | Historian and Alumni Liaison

February 2023-Present

- Recruit new members to the band and participates in community service
- Ensure the following of the constitution and parliamentary procedure
- Connect with alumni to maintain relationships with the organization
- Collect archival materials and researches the history of the Pitt Band and Kappa Kappa Psi, administering on an Omeka archiving site

### Society of Women Engineers (SWE)

August 2023-Present

### American Society of Civil Engineering (ASCE)

August 2023-Present

### Tau Beta Pi Honor Society

November 2023-Present

### David C. Frederick Honors College Ambassador

September 2023-Present

## Projects

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### Wyoming Spring Creek Field Studies: Anthropology/Archaeology

July 2023

Joint program between the Pitt Honors College and the University of Wyoming

- Pedestrian survey using transects, collected and plotted in GPS over 400 lithic artifacts

## Skills

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- Knowledgeable in MATLAB, C, ArcPro GIS, Google Suite, Canva, Word, and Excel