

# HAILEY WOODWARD

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## EDUCATION

### Texas A&M University, College Station, Texas

*Doctor of Philosophy in Oceanography*, August 2025 - Present

No GPA: 1st semester student

Advisor: Sarah Hu, PhD

### University of Florida, Gainesville, Florida

*Online Master of Science in Microbiology and Cell Science*, August 2023 - December 2024

Thesis: Meltwater Composition and Its Impact on Downstream Microbial Communities and Biogeochemical Cycling

Cumulative GPA: 3.701

### Texas A&M University, College Station, Texas

*Bachelor of Science in Microbiology*, August 2019 - May 2023

Cumulative GPA: 3.327

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## RESEARCH INTERESTS

- Biological oceanography
  - Microbial ecology and marine microbial eukaryotes
  - Trophic level interactions
  - Biogeochemical cycling
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## EXPERIENCE

### Lone Star College - Houston North Campuses, Houston, Texas

*Part-Time Lab Coordinator*, September 2023 - August 2025

- Preparation of media and reagents for biology/chemistry lab courses across 4 campuses
- Maintaining and calibrating simple equipment (pH meters, balances, autoclave, etc.)
- Maintaining good organization of laboratory materials over 6 prep rooms
- Experience with basic lab procedures (PCR, Electrophoresis, Titration, Staining etc.)
- Proper disposal of hazardous chemical and biohazardous waste
- Collaboration and communication with coworkers and professors

### Ecology of Soil Carbon Lab, College Station, Texas

*Paid Student Worker/Research Assistant*, September 2022 – May 2023

- Aided in USDA-regulated projects and assisted in proper waste disposal
  - Demonstrated precision and accuracy in weighing and data collection for laboratory services projects
  - Experience in soil filtrations, hydrolytic enzyme analyses, and microplate reading
  - Collaboration and communication in a strong team environment
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## **SKILLS**

**Computational:** Proficient with Microsoft and Google Applications

**Waste Disposal:** Proficient with hazardous chemical and biological waste disposal methods, in addition to small animal specimens for anatomy courses

**Microbiology:** Familiar with basic microbiological procedures such as bacterial transformation, biochemical tests, yeast transformations, & bacteria culturing

**Molecular Biology:** Familiar with PCR and DNA/RNA extraction

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## **PROFESSIONAL ORGANIZATIONS**

**American Society for Microbiology Student Chapter at University of Florida**

*Member, September 2023 - December 2024*

**American Society for Chemistry Student Chapter at Texas A&M University**

*Member, August 2019 - May 2023*

**Texas A&M University Students for the Exploration and Development of Space**

*Email Coordinator Officer, August 2019 – May 2020*