

Connor Lauren Brooks

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Education

UNIVERSITY OF WISCONSIN-MADISON

2018 - 2023

B.S, Atmospheric & Oceanic Sciences *with Honors in the Major*, International Studies

Research Experience

NELSON INSTITUTE, CENTER FOR CLIMATIC RESEARCH, UW-MADISON

Undergraduate Research Assistant, PI: Dr. Hannah Zanowski

Jan 2021 – Aug 2023

- Acquired, processed, and analyzed data from global coupled climate models using Python to investigate ocean and atmospheric circulation around Greenland in future warming scenarios.
- Created a poster and presented research at several UW functions to various audiences.
- Summarized and wrote up findings to submit an Honors Thesis and for eventual publication.

GULF OF MAINE RESEARCH INSTITUTE, PORTLAND, ME

Undergraduate Research Fellow, PI: Dr. Hannah Baranes

Summer 2022

- Used GIS data and field measurements to conduct a sea level rise vulnerability assessment for a portion of Portland's working waterfront using uniquely calculated local sea level rise projections and site-specific infrastructure concerns.

Work Experience

GREAT LAKES OBSERVING SYSTEM, ANN ARBOR, MI

Observing Data Specialist

Nov 2025 - present

- Maintain IOOS-compliant data infrastructure by leading platform onboarding, metadata management, partner communication, and periodic records review for the Seagull repository and dashboard
- Produce and present observing network communications across newsletters and regional/national conferences
- Conduct beta and user testing on GLOS products, identifying actionable recommendations aligned with data management best practices

GULF OF MAINE RESEARCH INSTITUTE, PORTLAND, ME

Coastal Hazards Research Technician

Sep 2023 – Aug 2024

- Led the development of a working waterfront risk analysis tool that guides adaptation decisions under various sea level rise projections.
- Co-led field campaigns to install tide gauges and conduct GNSS surveying under guided protocols with a high degree of accuracy while also supporting community science and education projects centered on interpreting and using the generated tidal data.
- Interviewed stakeholders, conducted vulnerability assessments, and created GIS flood inundation maps to support Maine's working waterfront in preparing for sea level rise.

AMERICAN INSTITUTE OF PAKISTAN STUDIES, MADISON, WI

Programming Assistant

Feb 2019 – May 2023

- Database management, including member profiles and fellowship applications.
- Updated and maintained website to provide a clear and organized space for sharing news and events related to the non-profit and its members.
- Collaboratively wrote grants and reports to secure funding for future programming.

Professional Involvement

- American Meteorological Society, UW-Madison Chapter | *2021 – 2023*
- Geological Society of America | *2024 - present*
- Phi Beta Kappa, Member | *2020 – present*
- Marine Technology Society | *2026 - present*

Skills

- Computer: Python, R, Gempak, QGIS, SQL, AWS
- Grant technical writing, public communication
- First Aid/CPR certified (2024), Safety at Sea certification
- Conversationally fluent in French