Evan J. Josza

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EDUCATION

University of Florida **August 2023**
Bachelor of Science in Marine Sciences, College of Agriculture and Life Science   Gainesville, FL
University of Miami
Coursework towards Masters of Science in Computer Science, College of Arts and Sciences   **January 2025 – Current**
Miami, FL

EXPERIENCE

University of Miami – Cooperative Institute Marine & Atmospheric Studies **August 2024 – Current**
NOAA Atlantic Oceanographic Meteorological Laboratory Miami, FL
Ocean Carbon Group
Research Associate I

- Maintaining and supporting the automated CO2 measurement network across 7 research vessels in the world's largest surface ocean carbon monitoring program (SOOP-CO2).
- Co-leading coastal ocean health monitoring across 12 U.S. national parks, performing sample analysis, data QC, and data synthesis to support scientific publications.
- Conducting climate quality sample analysis of ocean carbon parameters (pH, DIC, TA) for major programs including NOAA Ocean Acidification Program (NOAA OAP), Global Ocean Shipboard Hydrography Program (GO-SHIP), National Marine Fishery Service Ecosystem Monitoring (EcoMon), South Florida Ecosystem Restoration (SFER).
- Maintaining, calibrating, and troubleshooting laboratory instrumentation for carbon parameters to ensure high accuracy data collection.
- Developing Java-based software tools to automate carbon reduction processes, improving laboratory efficiency.

University of Washington – Cooperative Institute for Climate, Ocean & Ecosystem Studies
NOAA Pacific Marine Environmental Laboratory **January 2024 – April 2024**
Ocean Carbon Group
Research Scientist II/DIC Analyst

- Collected and analyzed 3000 dissolved inorganic carbon (DIC) samples as a part of PMEL Carbon Group for GO-SHIP A13.5 cruise.
- Gained proficiency independently troubleshooting and fixing DICE systems upon failure, with 10+ incidents arising
- Participated in deck operations, including ≈ 20 CTD deployments and retrievals.
- Gained exposure to and fundamental understanding of other analytical systems including discrete and underway pCO2, pH, CFCs, and TA.

University of Washington – Friday Harbor Laboratory **September 2023 – December 2023**
Research Apprentice Friday Harbor, WA

- Conducted field research on spatial and temporal variability in Puget Sound under the guidance of Dr. Jan Newton, including analyses of chemical, physical, and biological oceanography.
- Collected and analyzed 100+ dissolved oxygen (DO) samples using Dosimat system over 8 research cruises.
- Gained proficiency independently troubleshooting and maintaining Dosimat system.
- Performed CTD data processing and data visualization for 10 research cruises utilizing Seabird Data Processing, R, and Excel.
- Designed and conducted an independent research project and reported findings through a scientific paper and oral presentations.

SKILLS

Computer Programming – Java, R, Excel
Licensed Florida Boat Driver (500+ hours experience)

AWARDS

Friday Harbor Laboratories Scholarship **September 2023**
Bright Futures Academic Scholar **July 2019 – May 2023**