

UNOLS-MATE MARINE TECHNICAL INTERNSHIP PROGRAM



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Maria Osiadacz, Program Manager Athena Abrahamsen, 2024 Intern



University-National Oceanographic Laboratory System

Marine Advanced Technology Education (MATE) University of Washington, 4300 Roosevelt Way NE, Seattle, WA 98105

Planning the 2025 Program

- Accepting applications for 2025 program DUE JAN 6
- Feel free to share the announcement
- Looking forward to planning new opportunities:
 - At-sea internships and loading/unloading between cruises
 - Combine sea time with land-based technical support
 - Dockside/shipyard projects with sea trials or no sea time
- Contact me to discuss internships, selection process
- Fill out the INTERN REQUEST FORM
- Plan soon for internships starting JAN-MAR 2025

maria@unols.org www.marinetech.org/internships

Resources for Mentors

PLEASE JOIN ME TODAY Mentor Training Breakout Session 2:15 PM, Piscataqua Room

Engage in some fun, interactive exercises!!

IMPROVE COMMUNICATION STRATEGIES AND ENSURE A RESPECTFUL TEAM ENVIRONMENT

Anyone who works with new team members can benefit!

Please join us, listen in and share your insights! Your ideas will help me compile a Mentor Resource Guide

RV SIKULIAQ University of Alaska, Fairbanks Mentor: Ethan Roth



SARAH GISLER

WHOI National Deep Submergence Facility

EMILIA TOPP-JOHNSON Alvin Team, RV ATLANTIS

Mentor: Rick Sanger



NOAH BOURASSA Alvin Team, RV ATLANTIS Mentor: Nick Osadcia

RV MARCUS LANGSETH ~ Cruise 1 Lamont-Doherty Earth Observatory Mentor: Cody Bahlau



RACHAEL BYRD, RAYMOND BARRETT & COLTON BORRESEN

RV MARCUS LANGSETH ~ Cruise 2 Lamont-Doherty Earth Observatory Mentor: Aaron Martin

OUI



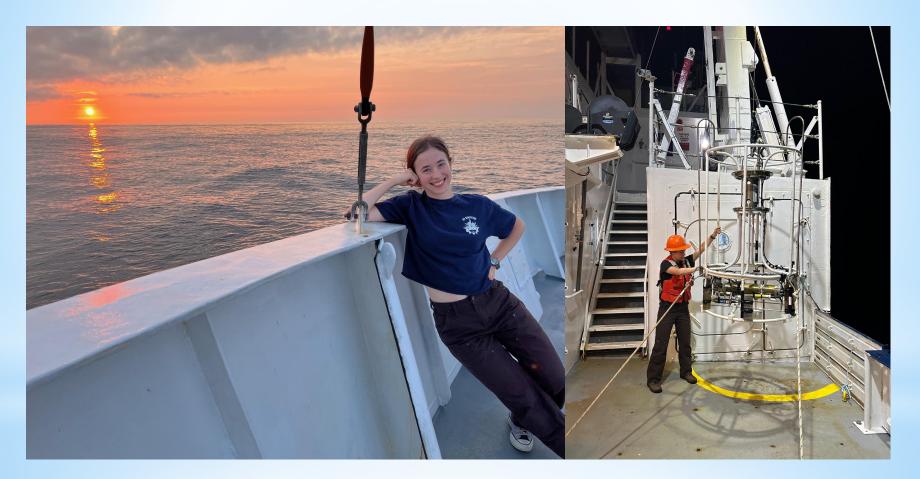
AYSE MACKNIGHT ELEANOR DUVA ('Wave!') CHAII LAYNE-NEUBAUER

Ship-based Technical Support in the Arctic SCRIPPS, USCGC HEALY



KRISTEN CARROLL ('Wave') GABRIELA RODEZNO-WILSON Mentors: Max Hughes & Brendon Mendenhall

RV ENDEAVOR University of Rhode Island



JOSIE ADAMS Mentor: Bonny Clarke

Louisiana Universities Marine Consortium

ATHENA ABRAHAMSEN RV PELICAN Mentor: Maggie Gaspar





KRISTINE PRADO-CASILLAS RV PT. SUR Mentor: Grace Fulton

Hawaii Ocean Time-Series University of Hawaii RV KILO MOANA

Mentors: Angel White, Carolina Funkey, Dan Fitzgerald Fernanda Henderikx Freitas, Tully Rohrer



SERGEI AVETISYAN & BRIANA PRADO

HUNTER ADAMS 2024 LONG-TERM INTERN

LEG 1 RV HUGH SHARP

University of Delaware Mentors: Christian Kernisan Alejandro Dominguez

LEG 2 RV ATLANTIC EXPLORER

Bermuda Institute of Ocean Sciences Mentors: Rory O'Connell Lydia Sgouros

LEG 3 RV KILO MOANA

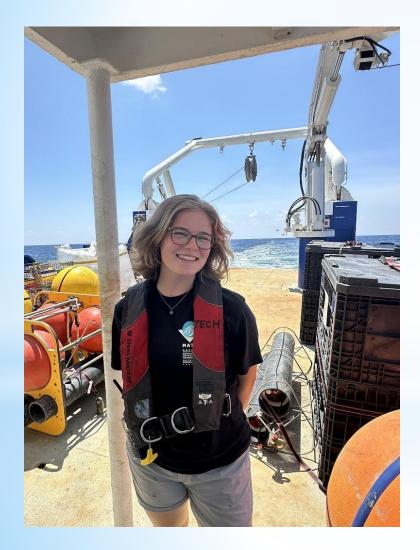
HOT Team, University of Hawaii Mentors: Tully Rohrer, Carolina Funkey, Dan Fitzgerald, Angel White, Fernanda Henderikx Freitas



Thank you!

- UNOLS Team for immense support
- Dedicated interns for enthusiasm and hard work
- Awesome participation by former interns
 - mentoring new interns
 - reviewing applications
 - networking, professional development advice
- Hosts, Marine Techs, Crew, Scientists, Faculty
 - mentors go above and beyond to help interns
 - excellent trainers; most knowledgeable
 - best professional role models
 - encourage new candidates to apply
- NSF for making this program possible

Athena Abrahamsen, 2024 MATE Intern



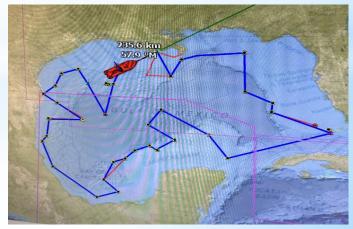
- Fourth-year Undergraduate Student
- Oregon State University (OSU)
- College of Earth, Ocean, and Atmospheric Sciences (CEOAS)
- B.S. in Oceanography
- June 2025

Where I completed my MATE Internship

- R/V Pelican
 - Mentor: Maggie Gaspar

- Mid-July through August
 - Shelf-wide hypoxia survey off Gulf
 Coast
 - Deploying passive acoustic moorings throughout the Gulf of Mexico

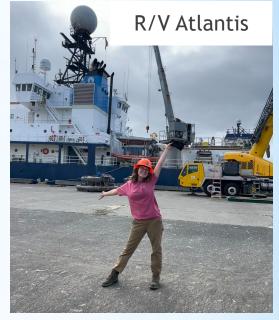




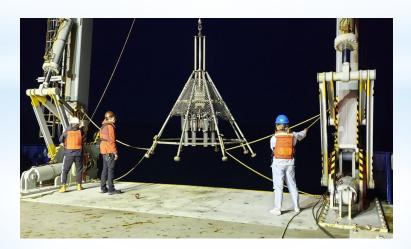
My love for being at-sea led me to MATE:











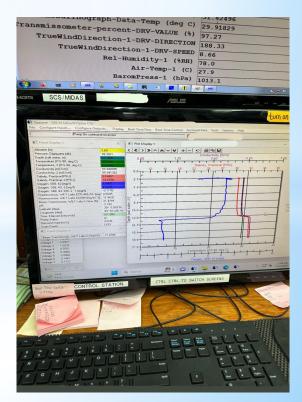


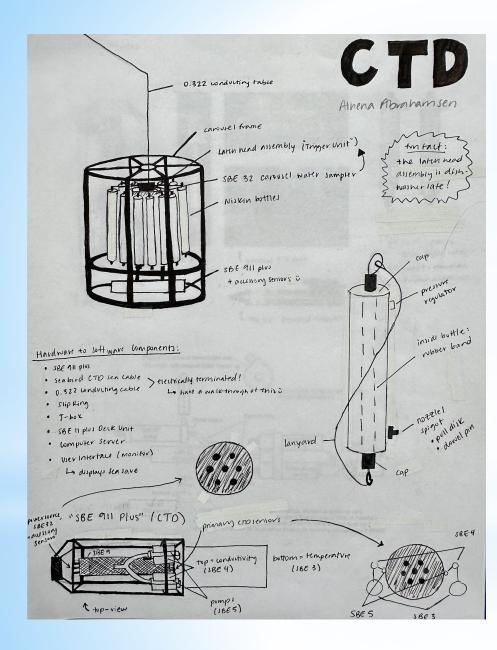
Some of my favorite takeaways:

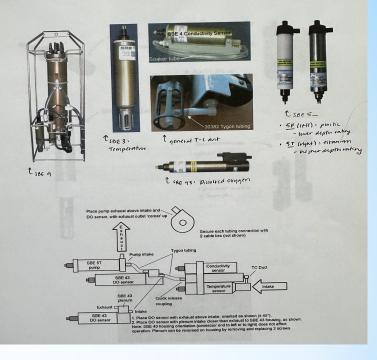
- In-depth understanding of the hardware and software components of CTD
 - Operating SeaSave (also SBE Data Processing)
 - Reconfiguring instruments on CTD frame and in SeaSave
 - Troubleshooting









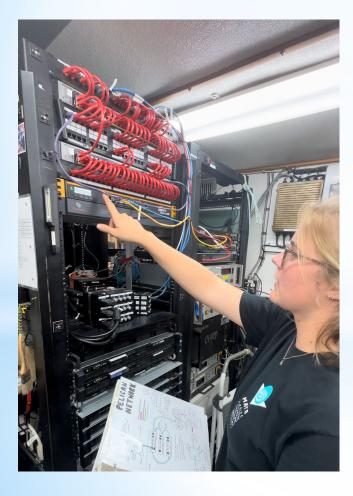


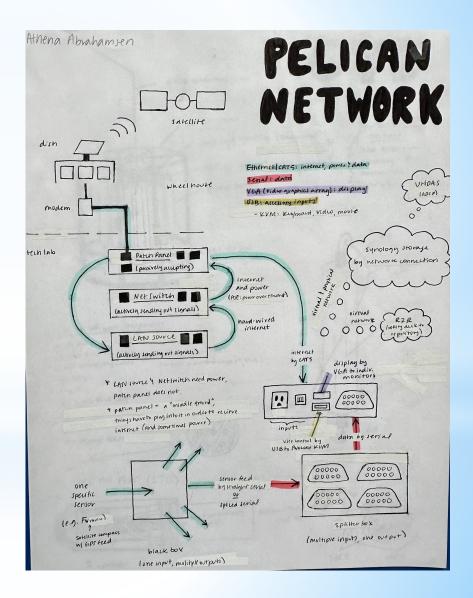
hena Abrahamsen



Some of my favorite takeaways cont.:

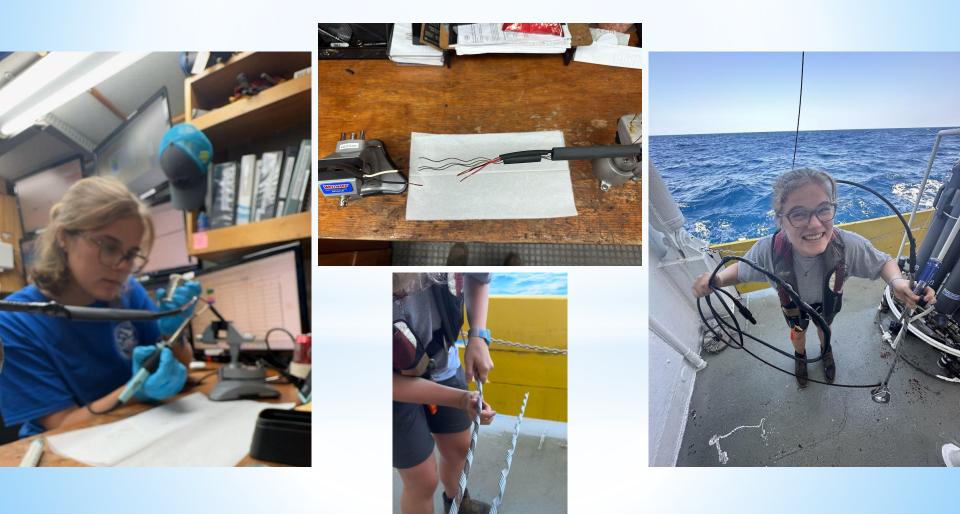
• Learning more about Computer Networks





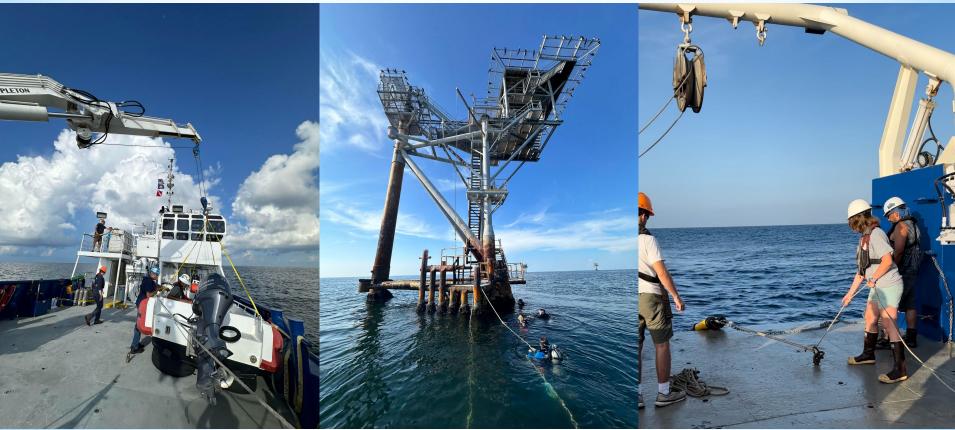
Some of my favorite takeaways cont.:

• Completing a successful .322 Wire Termination (Electrical and Mechanical)



Some of my favorite takeaways cont.:

- Small Boat and other Deck Ops!
 - Inspired me to complete Scientific Boating Safety
 Association (SBSA) Motorboat Operating Training Course (MOTC)



Career Goal: be a Marine Technician!

- The MATE Internship was a formative experience, my love for working at-sea has grown!
 - I want to continue developing my skills and knowledge, and contribute to the furtherment of ocean research.
- If you'd like to learn more about me and my experience: <u>athenaabrahamsen@gmail.com</u>







Thank you to the people who have supported me!

- OOI Coastal Endurance Array Team:
 - Alex Wick
 - Raelynn Heinitz
- MATE Support:
 - Maria Osiadacz
 - Maggie Gaspar
 - Meegan Corcoran
- Kristin Beem (RCRV)

- Miguel Goñi
 - Kylie Welch
 - My family and friends



