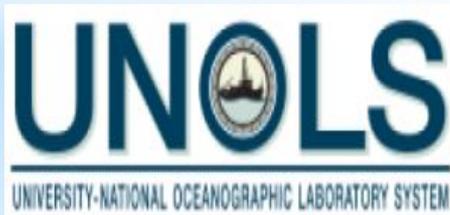


UNOLS-MATE At-Sea Technical Internship Program

Funded by the National Science Foundation
current OCE AWARD 1757373

Maria Osiadacz
Internship Coordinator



Marine Advanced Technology Education (MATE) Center
University-National Oceanographic Laboratory System

Program Overview & Updates

- **MATE Internship Program started with a NSF/UNOLS grant in 1999**
- **Help meet demand for multi-skilled marine technicians**
- **Provide opportunities for mentoring/training by marine technicians working on science missions aboard research vessels**
- **Program transferring to UNOLS office (pending funding approval) in 2023**
- **Thank you & congratulations to Deidre Sullivan on her retirement!!**



What the community gains

Hosts/Mentors:

- **Extra help on board, enthusiastic, eager to learn**
- **Direct involvement training next generation of marine technicians**
- **Preview of best graduates from marine technology programs for hiring!**
- **UNOLS Fleet uses Internship Program to recruit new talent**

Interns:

- **Job experience essential for employment, often the most important step; with best role models**
- **Better understand the diversity of ocean careers**
- **Hands-on experience with cutting-edge technologies not available at educational institutions**

MATE Interns 1999 to 2022

- **Demographic data of former interns**
- **Data collected for 328 interns at-sea and land-based**

	Total responses*	Percent
Community College Students	171 out of 328 responses	52.1%
Female students	159 out of 328 responses	48.5%
Students from underrepresented groups	80 out of 301 responses	26.6%
Financially disadvantaged students **	119 out of 171 responses	69.6%

* Based on completed surveys; omitted if declined to respond

** Financial status collected since 2008

- **Met program goals, committed to improving numbers moving forward**

MATE Interns 1999 to 2022

- **Updating employment status of former interns**
- **More active tracking since 2008**
 - **Email, surveys, LinkedIn, networking**

	Total Responses: 87	Percent
Marine Technician or closely related job *	48 responses	55.1%
UNOLS Fleet **	31 responses	35.6%
STEM related position	85 responses	97.7%

* Working on marine vessel or institution supporting oceanographic research

** Including tech pool or other temporary work, visiting student, or prior job

- **Results similar to 2017 survey with 91 respondents**
 - **over 90% were employed in a STEM-related field**
 - **over 50% held positions in marine technology or closely-related ship-based job**

Miguel Sanchez

Hosted by the University of Alaska Fairbanks on the R/V *Sikuliaq* (8 weeks)

Mentor: Ethan Roth, Science Operations Manager
Naval Architecture and Marine Engineering, Webb Institute



Tyler Peterson

Hosted by WHOI on the R/V Armstrong (6 weeks)

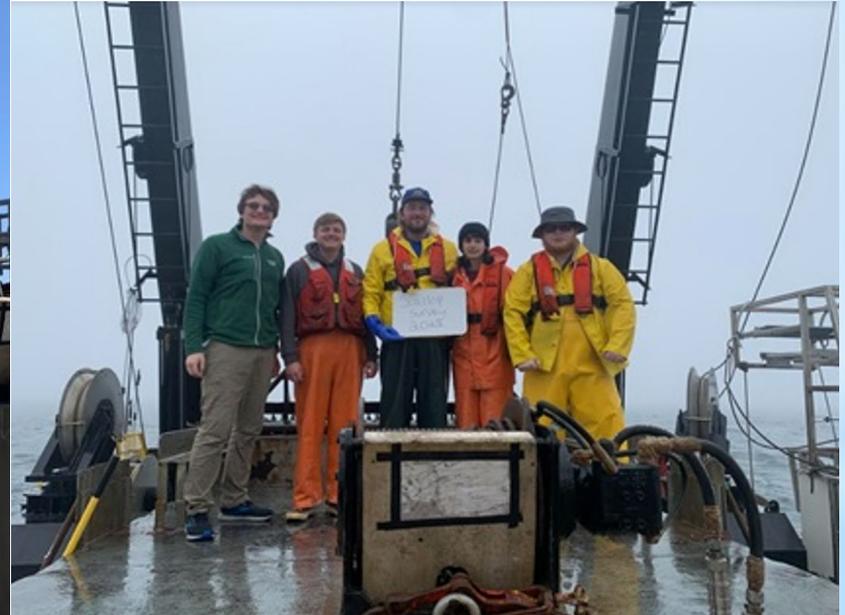
Mentors: Marine Technicians Emily Cheung and Croy Carlin

UNOLS Tech Pool, USCGC Healy, joining OSU as Marine Technician



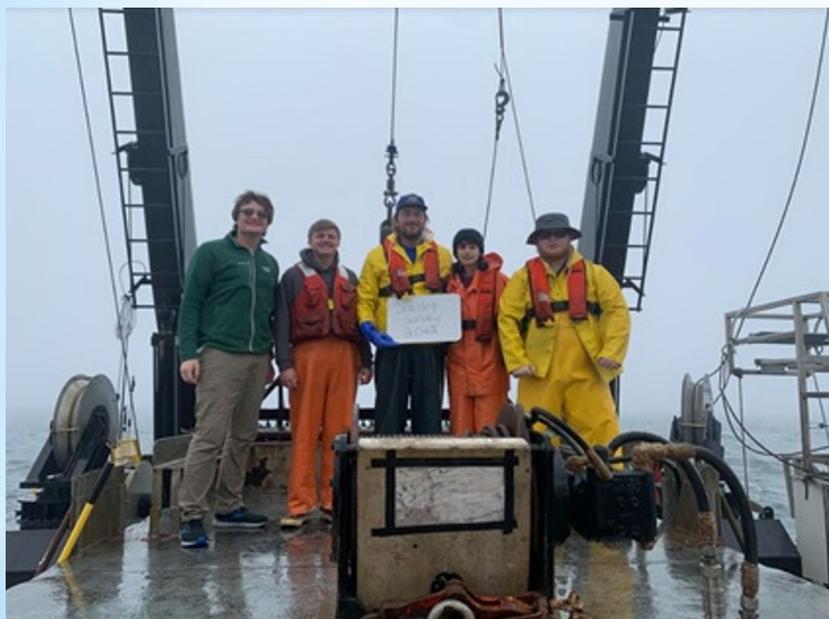
Jackson Hollocker

Hosted by the University of Delaware (5 weeks)
Mentors: Christian Kernisan and other crew on R/V Hugh Sharp
Marine Technology at Northwestern Michigan College



Daniel Brunet

Hosted by the University of Delaware (5 weeks)
Mentors: Christian Kernisan and other crew on R/V Hugh Sharp
Marine Biology at University of Alaska Southeast



Sarah Sergent

Hosted by NDSF Lab, WHOI (6 weeks)

Mentors: Matt Heintz and the Jason Team on R/V Thompson
Marine Technology at Northwestern Michigan College

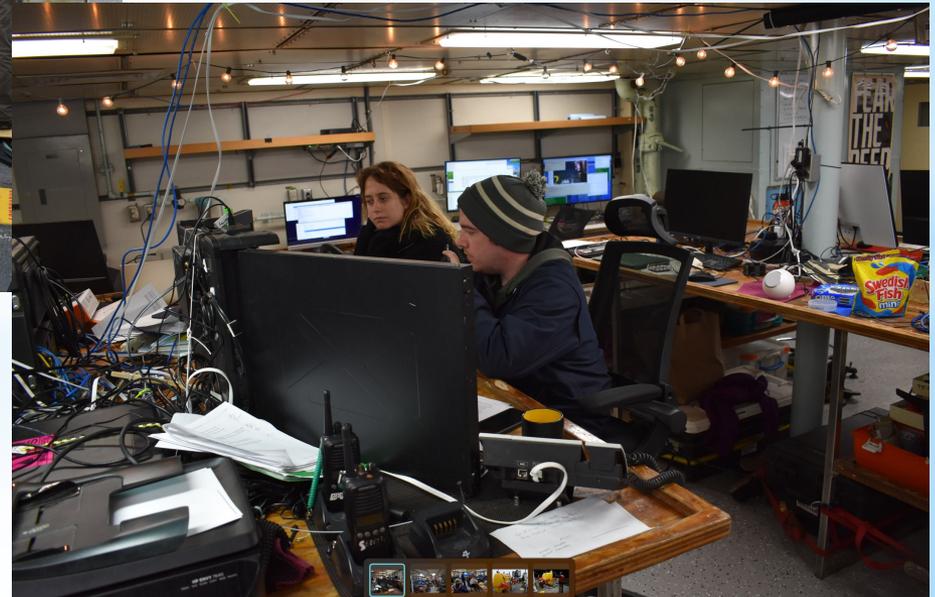


Syenna Graham

Hosted by NDSF Lab, WHOI on R/V Thompson (9 weeks)

Mentors: Sean Kelley and the Sentry Team with Judy Fenwick

Aerospace and Ocean Engineering, Virginia Polytechnic State University



Kyle Hebert

Hosted by RSMAS, UMiami, R/V Walton Smith (15 weeks)
Mentors: Don Cucchiara, Denis Ilias, Jonathan Raymond and other crew
hired by WHOI, Communications Electronics Technician, R/V Atlantis



Alesha Gregoire

Hosted by RSMAS, UMiami, R/V Walton Smith (16 weeks)
Mentors: Don Cucchiara, Denis Ilias, Jonathan Raymond and other crew
hired by RSMAS, Ship's Mate, R/V Walton Smith



Anastasia Elmendorf

Hosted by WHOI on the R/V Armstrong (8 weeks)

Mentors: Emily Cheung and other Marine Technicians

Currently onboard, transit Greenland to Woods Hole, joining several cruises



Moving forward...

- **Planning full year of internships in 2023 with placements in Spring, Summer and Fall**
 - 1 long-term (approximately 6 months) and
 - 12-14 short-term internships depending on the length (approx 4-16 weeks each)
- **Announcement listing requirements and link to application is posted, in distribution**
- **Application due date: January 22, 2023**
- **Please contact me to find out more about the process!**

Thank you! Any Questions?

For more information visit:

www.marinetech.org/internships

Online host survey available

[2023 MATE Internship Program Host Survey](#)

Contact:

Maria Osiadacz

MATE Internship Coordinator

mosiadacz@mpc.edu

