



UNOLS-MATE MARINE TECHNICAL INTERNSHIP PROGRAM



**Funded by the National Science Foundation
OCE AWARD 2241369**

**Maria Osiadacz, Program Manager
with
Namith Kennedy & Wil Kleiner
2025 Interns**



Celebrating 25 Years!

Coordinating Marine Technical Internships with the ARF and its Supporting Facilities



- Get your sticker!
- Program was developed by the former MATE Center
- Transferred to the UNOLS Office in 2023
- It's an honor!

Program Highlights

- Program has been very successful at helping interns
 - define their career goals
 - network and develop skills needed to succeed
 - technical, troubleshooting, problem solving, interpersonal
- Over 380 interns have been placed
- Many offered positions with
 - Academic Research Fleet & supporting facilities
 - Marine industries, ocean science, engineering organizations
- Program tracks former interns
 - Table 1 shows results from 138 survey respondents

Table 1: Participant Tracking Results (n=138)

Obtained work as Marine Technician or in closely related ship-based job	Obtained work on an ARF vessel or supporting facility	Continued studies and/or found work in Marine/Ocean Science/Engineering Field	Continued studies and/or found work in STEM Field
80	47	106	136
58%	34%	77%	99%

Program Contributors

Success of program depends on the dedication of many

- Recruit from college/university **Faculty & Advisors**
 - manage Marine Technical/Engineering programs/events
 - share program information with their students
 - encourage them to apply and offer support
 - write letters of recommendation
 - design course projects: students develop competitive skills
 - prepare for potential placement in internship program
- Collaboration with **Marine Technical Managers, Scientists, Engineers, & their Teams**
 - host interns at-sea, shipyard, shore-based facilities
 - review top applications, interview, & select finalists
 - help prepare interns for their journeys
 - mentor/train interns while meeting demanding shipboard responsibilities

Program Contributors

- Growing involvement by **Former Interns** in the program
 - share experiences at various professional events
 - encourage new candidates to apply
 - help review applications and select top candidate pools
 - help new interns prepare before the internship
 - offer career advice and resources
 - working as Marine Technicians and mentoring new interns
- Amazing teamwork of the **UNOLS Staff**
- Immense support from **NSF** made this program possible
- All together, we make this the participant-centered program that empowers the next generation of ocean technicians and engineers.



Resources for Mentors

**You're invited to a
Mentor Training Breakout Session**

NOV 4, 11:00 AM, Edward H. "Ted" Scripps II Room

Engage in NEW fun, interactive exercises!!

**IMPROVE COMMUNICATION STRATEGIES:
ROLE PLAYING FOR CONFLICT RESOLUTION**

Anyone can benefit!

Join us, listen in and share your insights!

~

**see WHOVA ~ announcements about the 2026 program
Applications due JAN 12**

RV MARCUS LANGSETH

Lamont-Doherty Earth Observatory

Mentor: Cody Bahlau

**WILL
ELTRINGHAM**



**ETHAN
WADSWORTH**



**THEO
LAFONTANT
KAGAN**

RV SIKULIAQ - University of Alaska, Fairbanks

Mentors: Carmen Greto & Julian Race



**MACKENZIE
HILBURN**



**RAYMOND
JAMES
GALLANT**



RV SHARP

University of Delaware

**NAMITH
KENNEDY**



Mentors: Christian Kernisan, Alex Dominguez & Tim Deering

WHOI National Deep Submergence Facility AUV Sentry Group



STEPH LONG
Mentor: Allisa Dalpe
Sentry Lab



WHOI National Deep Submergence Facility HOV Alvin Group



DANIEL SILGUERO, KATIE WADE & AIDAN LEE

Mentors: Benen ElShakhs, Randy Holt & Kaitlyn Beardshear

Ship-based Technical Support in the Arctic

USCGC HEALY



**BRIAN
SAMUELSEN**
Mentor: Howie Johnson



**KALEIGH
BALLANTINE**
Mentors:
Tyler Peterson
Maya Thompson



WIL KLEINER
Mentor:
Brendon Mendenhall

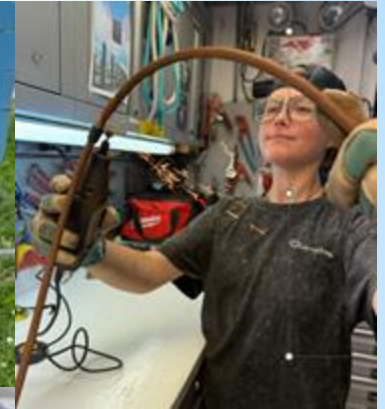
MICAH BARTON

2025 LONG-TERM INTERN

LEG 1

RV THOMPSON

University of Washington
Mentors: Elizabeth Ricci &
Jennifer Nomura



LEG 2

USCGC HEALY

Ship-based Technical Support
in the Arctic (STARC)
Mentors: Maya Thompson &
Tyler Peterson



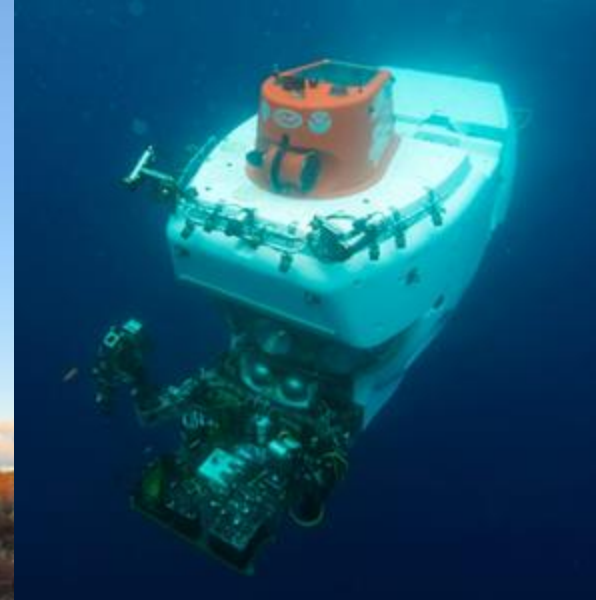
LEG 3

RV PT. SUR

Louisiana Universities Marine
Consortium (LUMCON)
Mentor: Grace Fulton

KENNETH STOWE

2025-26 LONG-TERM INTERN



**WHOI National Deep Submergence Facility
HOV ALVIN Workshop - Overhaul Period**

Namith Kennedy, 2025 MATE Intern

- ❖ About me
- ❖ Contact me at kennedynamith@gmail.com
- ❖ Connect with me on [LinkedIn!](#)



Equipment Used

- ❖ CTD (Conductivity, Temperature, Depth) rosettes
- ❖ Kongsberg EK80 echosounder
- ❖ Kongsberg Multibeam sonar
- ❖ ADCP (Acoustic Doppler Current Profiler)
- ❖ Knudsen echo sounder
- ❖ Hyperspectral sensor
- ❖ Outland ROV (Remotely Operated Vehicle)
- ❖ Drill Press

Software Used

- ❖ Kongsberg SIS
- ❖ Command Prompt

Hands-on experience

- ❖ Troubleshooting Blown fuses
- ❖ CTD Cable Termination
- ❖ Other Cable Termination
- ❖ Mount Fabrications
- ❖ Equipment Set up and Installation
- ❖ CTD Sensors Troubleshooting
- ❖ Equipment Deployment

Skills Developed

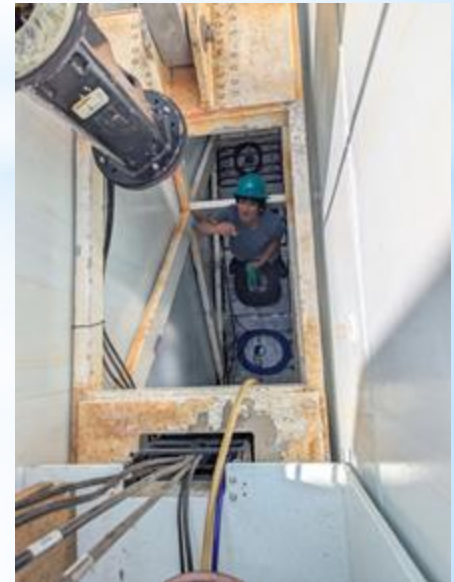
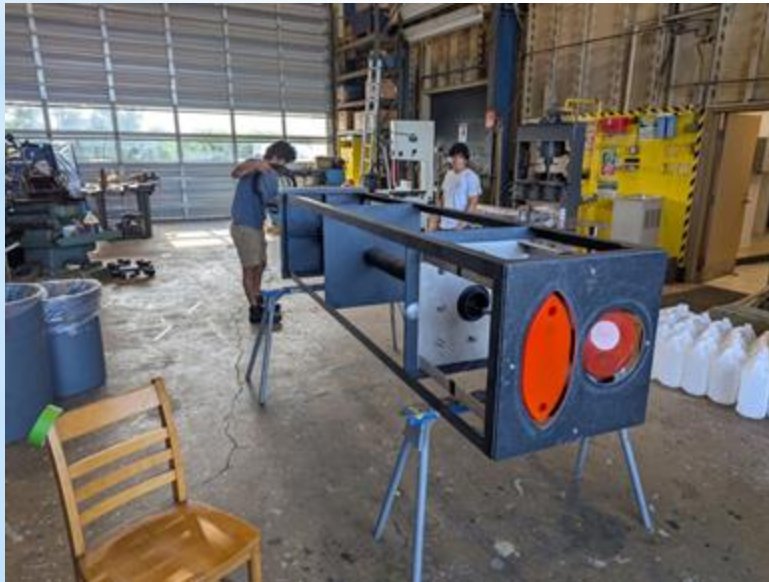
- ❖ Electrical Troubleshooting
- ❖ Fabrication Troubleshooting
- ❖ General Troubleshooting
- ❖ Wire Splices
- ❖ Cable Organization
- ❖ One task at a time
- ❖ Communication



Gratitude and Conclusion

Special Thanks To:

Christian Kernisan
Alex Dominguez
Tim Deering
Maria Osiadacz



WILL KLEINER, 2025 MATE Intern



Circa 2020
Couldn't swim



SKQ 2023
What have I done?



SKQ 2024
I think this is cool



Healy 2025
I love this!

- B.S. in Geophysics, mathematics minor (for some reason)
- Shameless opportunist
- Wanting to support science without marrying one project for ten years
- Inexplicably likes 12-hour days
- Enjoys problem solving and detail-oriented tasks

Six-ish weeks aboard USCGC Healy

Concrete skills:

- Soldering (re-terminated a CTD!)
- Data flow & acquisition
- Deploying, recovering, and prepping a variety of instruments (CTD, moorings, buoys, XBT's, etc)
- Troubleshooting even more instruments!

My real takeaways:

- Initiative
- Flexibility
- Persistence/Patience
- Communication





https://bit.ly/wil_likes_boats





QUESTIONS?