MATE Internship Program Update

RVTEC Meeting, Woods Hole, MA, Oct 15, 2018

Nandita Sarkar





Deidre Sullivan – Director & Internship Coordinator Marine Advanced Technology Education (MATE) Center







Internship Program Overview

- Started with a NSF/UNOLS grant in 1999 to fill need for marine technicians.
- Since 1999, 300+ community college and university students have been placed in research vessels, labs and industry settings (200+ were placed on UNOLS vessels).
- Present funding till 2021
- NSF Grant 3-4 year funding cycle:
 - Host 12-15 interns in 2-16 week internships each summer; support to lengthen internships beyond one research cruise at each site.
 - Host 1 six-month intern on 1-2 host vessels each year.



What the community gains

Mentors/Hosts:

- An extra pair of hands almost free!
- Direct involvement in training the next generation of marine technicians
- A sneak preview of the best graduates from marine technology programs for hiring!

Interns:

- Job experience essential for employment often the most important step
- Better understand the diversity of ocean careers
- Experience with cutting-edge technologies that are not available at their institutions



Intern selection process

- Interns' interests, knowledge, and skills are carefully matched to mentor requirements
 - Summer internships Mentor receives the 3-5 resumes that best match their needs
 - LT internship Alice Doyle at UNOLS and Nandita at MATE review applicants and determine top 10-12 finalists
 - Mentor(s) are encouraged to interview candidates
 - Mentor makes final decision on which student(s) they host
 - MATE Coordinator checks references, makes offer, takes care of paperwork and travel logistics
- Preference (except for six-month internship) given to technical community college students and marine technology undergraduate students



2018 Internships

- 1 long-term intern: Emily Shimada with WHOI and Scripps/STARC
- 10 other interns were placed on UNOLS/USCG/NOAA vessels:

Sharp (1), Healy (2), Atlantis (2), Atlantic Explorer (4), Neil Armstrong (1), Pisces (1)

- 5 women, 6 men
- 2 from community colleges





2018 Interns getting hired

- Royhon Agostine Intern on USCGC Healy
 - Research Technician at Scripps Institution of Oceanography
- Charles Brooks Intern on *R/V Sharp*
 - Research Technician at Scripps Institution of Oceanography
- AND??



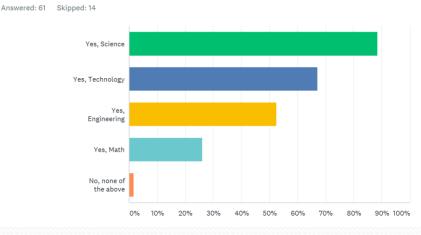


2018 Happenings

Preliminary results from survey of intern alumni till 2016

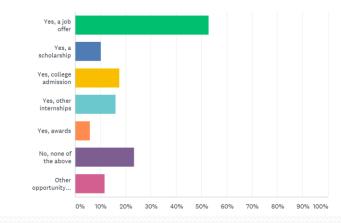
75 responses from approximately 230 contacted

Since your internship, have you ever worked in a science, technology, engineering or math field? (Mark all that apply)



Has your internship contributed to you receiving a job offer, a scholarship, college admission, other internships, or awards? (Mark all that apply)

Answered: 68 Skipped: 7



New Internship Coordinator

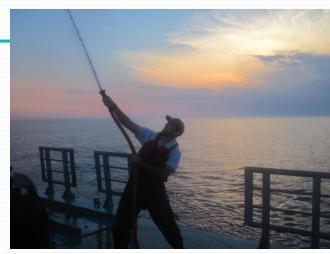
Ms. Deidre Sullivan

- Director of MATE Center and faculty at MPC
- Marine Geologist with over a year of sea time that includes time on the Pt Sur.
- Mapped Marine Protected Areas off California in the 1990s.
- A graduate of UCSB, MLML and OSU
- Avid Scuba Diver and Instructor
- Inducted into the Women Diver's Hall of Fame in 2014
- Former World Record Holder in Underwater Tricycling



What is happening in 2019?

- LT internship 6 mths starting Spring 2019
- 2019 summer internships 2-16 weeks, May-Dec 2019
- Visiting community colleges to discuss changing skill requirements
- KSGs & guidelines update
- Intern survey analysis







Some requests!

• Help to update the KSGs and internship guidelines

<u>www.marinetech.org/files/marine/files/Workforce/KSG.OITfinal.9.10.10lr.pdf</u> <u>www.marinetech.org/files/marine/files/Internships/Internship%20Guidelines_final.pdf</u>

- Post-internship mentor surveys
- Commit to providing internship opportunities ASAP
- Use the internship to promote marine technical careersyou are great mentors and role models. THANK YOU!



For more information visit: www.marinetech.org/internships

Or contact: Deidre Sullivan MATE Internship Coordinator dsullivan@mpc.edu

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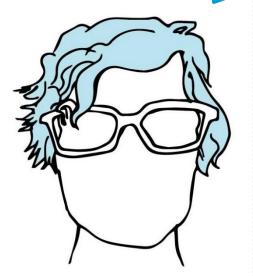


2018 Long-Term Internship

Emily Shimada

4 ships, 6 months, 10 science cruises

Hi, I'm the Intern!



2018 California Maritime Academy Graduate

- Majored in Marine Engineering Technology and Marine Science
- 3rd Asst. Engineer's License
- Over 200 days at sea prior to this internship

Previous work with USGS and various research centers at UCLA and Cambridge

Developing New Skills







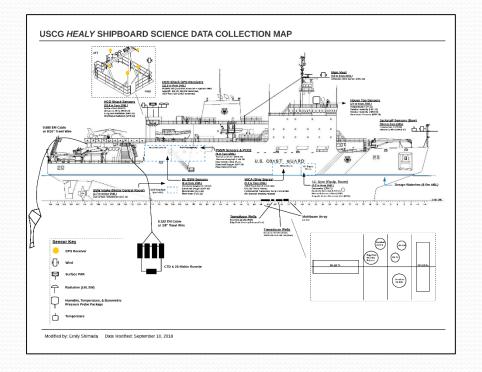
Running Deck Operations

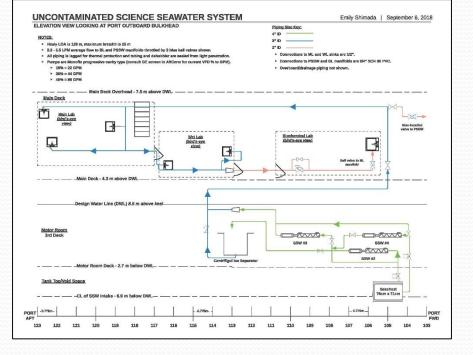


Troubleshooting and Fabrication



Documentation





Building a Community

