

**JACOB HARRIS**  
*jharris@mml.calstate.edu*

**EDUCATION**

**Moss Landing Marine Laboratories**

Moss Landing Marine Laboratories, San Jose State University  
Moss Landing, CA

Present–August 2020

**University of Rhode Island (URI)**

Bachelor of Science Marine Biology, Minor in Marine Affairs  
Kingston, RI

May 2013

*Relevant Courses:* Seminar on Marine Mammals, Marine Environmental Physiology, Marine Ecology, Vertebrate Biology, Coastal Zone Management, Human Use and Management of the Marine Environment

**Bermuda Institute of Ocean Sciences (BIOS)**

Ferry Reach, Bermuda

*Coursework:* Coral Reef Ecology, Marine Invertebrate Zoology, Research Diving  
*Research:* Investigated the interaction between plastic debris and *Sargassum* communities within Langmuir cell convergence zones in the North Atlantic Ocean

Fall 2011

**Sea Education Association (SEA)**

Woods Hole, MA

*Coursework:* Oceanography, The Politics of the Ocean, Small Boats Operations  
*Research:* Studied the relationship between the Equatorial Counter Current and *Halobates* species distribution in the tropical Pacific Ocean

Spring-Summer 2012

**SKILLS AND CERTIFICATIONS**

*Field Technician:* AAUS Scientific Diver, sampling and collecting protocols; Marine mammal capture, handling, tagging, tracking methods; Photo ID; Boat handling and navigating

**Licenses/Certifications:**

AAUS Scientific Diver, NOAA Motorboat Operations Certification Advanced, PADI Rescue Diver, DAN Oxygen First Aid, NOLS Wilderness First Aid, First aid and CPR

**EXPERIENCE**

**Fisherman, Deckhand** – F/V Miss Lella II

North Vancouver, BC

Commercial fishing for Dungeness crab (pot traps) and sockeye salmon (gillnet). Prepared, pulled, and set gear; measured and counted catches; and maintained regular vessel upkeep and repairs.

2018-2020

**Guest Marine Science Instructor** – Alutiiq Nuniaq Cultural Camp

Old Harbor, AK

Led marine science education, cultural, and artistic programming for campers age K-8<sup>th</sup> grade, including field explorations, lab experiments, and incorporating cultural values into scientific themes

2017

**Marine Mammal Husbandry Volunteer** – Vancouver Aquarium

Vancouver, BC

Prepared feedings, toys, and husbandry tools for exhibit and research animals by cleaning, sorting and quality control assessment of seafood products.

2016-2017

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**Instructor** – Birch Aquarium at Scripps Institute for Oceanography 2016  
San Diego, CA

Delivered educational programs to all age levels, from pre-K to adult, including specialized classes for school groups, interpretation and demonstrations within the aquarium, outreach programs at schools and offsite locations, open public events, and summer camp.

**Monk Seal Recovery Program Field Camp Assistant** – 2015  
NOAA National Marine Fisheries Service, Hawaiian Monk Seal Research Program  
Honolulu, HI

Monitored the Hawaiian monk seal population as part of long-term endangered species conservation research, NOAA's species recovery plan, and emergency response team. Fieldwork included census counts, behavioral observations, individual identification, wildlife handling, and sample collecting at a remote atoll field camp

**Elephant Seal Monitoring Intern** – Point Reyes National Seashore 2014-2015  
Point Reyes, CA

Surveyed northern elephant seal breeding populations as part of long-term monitoring and habitat-use study of one of the most rapidly expanding rookeries. Conducted twice-weekly census counts, daily behavioral observations, and continuous re-sight data throughout the colonies, handle wild animals for dye-marking and applying flipper tags

**Sea Otter Research and Conservation Field Intern** – Monterey Bay Aquarium. 2013-2014  
Monterey, CA

Collaborative monitoring project with USGS exploring the environmental and anthropogenic stressors affecting sea otter recovery in Elkhorn Slough National Estuarine Research Reserve and other populations of Central California. Monitored otters in the field, from shore and zodiac, using radio telemetry and visual ID methods. Assisted with live animal captures and handle captured animals for tagging, transporting, and sampling

**Shellfish, Algae Aquaculturist Collections Assistant** – Monterey Abalone Company 2013-2015  
Monterey, CA

Managed the enclosures and husbandry of California Red Abalone kept within marine ecosystem located under the Municipal Wharf including wild kelp harvesting, cultured algae management, and maintaining healthy conditions for hatchery facilities. Assisted with collecting fish and invertebrate specimens for research programs

**Shellfish Aquaculturist, SMP representative**– Walrus and Carpenter Oysters, Inc 2013  
Charlestown, RI

Managed husbandry of oysters on a 3-acre submarine farm in the natural estuarine habitat of Ninigret Pond and maintain conditions for culturing seed lot growth cycles.

**Ocean and Coastal Policy Fellow** – Office of US Senator Sheldon Whitehouse 2012  
Washington, DC

Researched and facilitated special projects as part of the Senator's environmental legislative staff team as well as report on hearings and briefings with federal and state agencies, marine research institutions, and environmental NGOs. Member of the lead staff team for the bipartisan Senate Oceans Caucus that drafted and passed the RESTORE Act in response to the 2010 Deepwater Horizon oil spill