

Alexa Cacacie

(609)-290-6793

acacacie@une.edu

Key Skills

- Wealth of experience working aboard sea going vessels
- Rescue Diver PADI SCUBA certified
- Effective communication skills gained from time working as a government contractor on commercial fishing vessels
- Strong teaching and communication skills gained from mentoring undergraduate students
- Computer skills: Proficient with Microsoft Excel, Microsoft Word, Google Docs, SPSS, SeaSave software, ArcGIS mapping software, R programming, and Ocean Data Viewer

Education

University of New England, Biddeford, Maine June

2022- Present

- MSc Marine Science
- Research Assistantship
 - Top candidate selected during graduate application process

Maine Maritime Academy, Castine, Maine

May 2020

- BS Marine Biology, Minor Environmental Sustainability GPA: 3.50
- Scheel Scholar, Dean's Scholar, Ellen Corning Long Scholar, Trustee Scholarship for Diversity, Distinguished Scholar
- NAC Women's Volleyball Offensive Player of the Year 2017, NAC First Team All-Conference 2016-2020

Work Experience

School of Marine and Environmental Programs, Biddeford, ME

June 2022- Present

Research Assistant/Master's Thesis

- Conducted multiple research projects using otolith geochemistry and stable isotope analysis to reconstruct life history movements of rainbow smelt (*Osmerus mordax*) through Great Bay Estuary, NH
- Designed and established an acoustic telemetry array in the Saco River, ME
 - Experience surgically tagging Striped Bass (*Morone saxatilis*), Atlantic (*Acipenser oxyrinchus*) and Shortnose (*Acipenser brevirostrum*) Sturgeon
- Experience injecting Striped Bass (*Morone saxatilis*) with Oxytetracycline (OTC) to monitor growth in captivity

Marine Mammal Stranding Center, Brigantine, NJ

February 2022- May 2022

Stranding Technician

- Rescue and rehabilitation of various marine mammals including dolphins, whales, and seals
- Assisted in wound care and diagnosis of illnesses, accompanied by a veterinarian
- Adverse work conditions and experience working with wild animals

Alaskan Observers, Inc., Dutch Harbor, AK

May 2020- August 2021

North Pacific Fisheries Observer

- Benthic and midwater fisheries monitoring and analysis for NOAA Fisheries in the Gulf of Alaska and Bering Sea
- Biological sampling of catch aboard commercial fishing vessels
- Long periods of time living remotely on commercial fishing vessels, experience working in adverse conditions

Northeast Temperate Network, Bar Harbor, ME

Jun. 2019

Field Biologist for Intertidal Monitoring Projects

- Worked closely with National Park Service officials to participate in an annual intertidal survey located in Acadia National Park in accordance with Schoodic Institute researchers
- Measured and identified a variety of intertidal organisms in pre-outlined quadrats and searched tide pools

Corning School of Ocean Studies, Castine, ME

Jan. 2018-Dec. 2019

Senior Thesis

- The toxicity of bilge water on two species of native marine polychaetes, bloodworms (*Glycera dibranchiata*) and sandworms (*Nereis virens*)
- Created and completed a year-long study on the toxicity of bilge water from the Training Ship State of Maine on two species of native marine polychaetes
- Produced dose-response curves for both species of polychaetes and concluded bloodworms were able to survive at a higher rate at higher concentrations of bilge water than sandworms