

# Lea Baumser

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## EDUCATION

**Bachelor of Science, Eckerd College, St. Petersburg, FL**

**May 2021**

Majors: Marine Science (Biology Track), Chemistry - Graduated with Honors

Minors: Environmental Studies, Law and Justice

Founder's Scholarship: Four Year Academic Award

*Relevant Coursework: Biological Oceanography, Geological Oceanography, General Chemistry I & II, Physics I & II, Organic Chemistry I & II, Physical Chemistry, Analytical Chemistry, Instrumental Analysis, Advanced Inorganic Chemistry*

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## RESEARCH/ LAB EXPERIENCE

**Teaching Assistant, Eckerd College Marine Science Department**

**January 2020-May 2021**

- Chemical and Physical Oceanography teaching assistant for upper-level marine science students
- Prepared lab stations with proper instruments and tools, prepped chemical stocks needed for labs and assisted students throughout the lab
- Graded problem sets, worksheets and labs in a timely manner

**Student Researcher, Eckerd College Biology Department**

**January 2019-May 2021**

- Assisting Dr. Flaherty in Alzheimer's research using *C. elegans* by using fluorescent light microscopy to determine if and to what extent neuron degeneration is occurring
- Working with agar plates of *C. elegans* and performed various tasks such as, counting and picking worms, preparation of chemicals from stock, and chunking and dosing plates with proper sterile protocol and technique

**Student Researcher, Eckerd College Marine Science Department**

**October 2018-May 2019**

- Aided Dr. Lessmann in mangrove restoration research by collecting data from four sites of varying ages and assessing the effectiveness of each mangrove forest site through sediment analysis
- Assisted with data collection by performing procedures such as pipetting, wet sieving, loss on ignition of total organic matter, splitting and washing samples in the lab and conducting elevation profiling in the field

**Student Researcher, Eckerd College Biology Department**

**March 2018**

- Assisted with sequencing genomes, starting with blood cell lysis and PCR, of green sea turtles and compared sequences and haplotypes in order to find out the sea turtles' location of birth
  - Analyzed and compared data to determine which beaches need protection
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## JOB/INTERN/VOLUNTEER EXPERIENCE

**Marine Science Tutor, Eckerd College Natural Sciences Collegium**

**September 2020-May 2021**

- Worked with Marine Science students to provide extra help with homework, labs, or test prep
- Clarified topics and answered questions from students across the marine science and biology disciplines
- Set up online platform to be available to students and troubleshoot any associated issues with the platform

**Marine Mammal Necropsy Intern, Florida Fish and Wildlife**

**November 2018-January 2019**

- Assisted FWC staff with carcass recoveries, pre-necropsy work-ups, and marine mammal necropsies
- Helped with live rescues of manatees in the field using nets, boats, and kayaks
- Responsible for daily cleaning, ensuring necropsy room was washed and tidy, and spaces were organized and ready in case of urgent call for rescue
- Performed office work such as entry for routine call logs and scanning of archived photos and necropsy reports

**Sea Turtle Rehabilitation Intern, Sea Turtle Recovery**

**May 2018-August 2018**

- Assisted with sea turtle handling and restraint during wound care, feeding, and medical treatments
  - Responsible for the cleanliness of medical areas and sea turtle holding tanks
  - Assisted with food preparation and daily feeding
  - Educated the public both at festivals and in an exhibit area about sea turtles and Sea Turtle Recovery's mission
  - Rearticulated sea turtle flipper bones in resin as an internship final project
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## SKILLS AND QUALIFICATIONS

- Proficiency in Microsoft Office outlets such as, Word, PowerPoint, Excel
- Experience in Microsoft Access, SciDavis, ChemDraw and coding in R Studio using raw data
- SSI scuba dive open water certification