

Emelie M. Foster

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EDUCATION

2020-2023

University of Louisiana at Lafayette, Lafayette, LA
Master of Science in Biology
Advisor: Dr. James Nelson

2016-2020

University of Louisiana at Lafayette, Lafayette, LA
Bachelor of Biology with a concentration in Marine Biology, Ecology, and
Evolution
GPA: 3.6

RELEVANT EXPERIENCE

May 2020- present

University of Louisiana at Lafayette, Lafayette, LA. Graduate Research Assistant

- Advisor: Dr. James Nelson
 - Analyze isotopic data using Bayesian mixing models
 - Developed experimental plans and conducted research concerning changes in trophic structures in the Gulf of Mexico due to sand dredging

Summer 2019

Texas A&M University at Galveston, Galveston, TX. NSF REU Student

- Advisor: Dr. Anna Armitage
 - Mangrove field work
 - Individual & team based lab work
 - Developed experimental plans and conducted research concerning changes in feeding preferences of *Littoraria irrorata* in response to mangrove encroachment
 - Presented research poster at the 2019 Texas A&M research symposium and CERF 2019

Summer 2018

Louisiana University Marine Consortium, Chauvin, LA. Student Researcher

- Advisors: Dr. Brian Roberts, Dr. Beth Stauffer, & Dr. James Nelson
 - Marsh field work
 - Research primarily consisted of short term experiments focused in estuarine ecosystem ecology

RELEVANT SKILLS

- R
- Image analysis using ImageJ
- Processing plant and animal tissues for isotopic analysis
- Collecting samples via longlines, trawls, drop samplers
- Certified Diver (PDIC)
- Knowledge of how to safely use basic laboratory tools
- Time management
- Thorough understanding of the scientific method
- Attentive and organized
- Positive and eager attitude
- Team communication

RELEVANT COURSE WORK

- Marine Ecosystem Ecology Summer 2018
- Marine Biology and Estuarine Ecology Fall 2018
- Oceanography and Limnology Spring 2019
- Invertebrate Zoology Fall 2019
- Fish Ecology Spring 2020
- Landscape Ecology Fall 2020
- Wetland Plants Fall 2020

ACTIVITIES

- Member of Biology Society at University of Louisiana at Lafayette 2016-18
- Elmer's Island beach clean up 2017
- Rising TIDES participant 2019
- Texas A&M scientific writing workshop 2019
- Texas A&M research presentation workshop 2019
- Texas A&M ALLY for LGBTQ+ workshop 2019
- Implicit Bias workshop at CERF 2019

REFERENCES

- Anna Armitage, Ph.D. | Professor and Researcher at Texas A&M University at Galveston | 409-740-4842 | armitaga@tamug.edu | Ocean & Coastal Studies Building- Office 259
- James Nelson, Ph.D. | Assistant Professor and Researcher at University of Louisiana at Lafayette | 337-482-6642 | nelson@louisiana.edu | Billeud Hall- Office 205-D
- Janelle Goeke | Ph.D Candidate at Texas A&M University at Galveston | 585-802-4735 | jgoeke631@tamu.edu
- Kristen Fellows, M.Sc | Lab Manager at University of Louisiana at Lafayette | 585-820-4192 | kristen.fellows@louisiana.edu | Billeud Hall- Office 205