

Jamie Thompson

Texas A&M University at Galveston,
Department of Marine Biology
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Education

Texas A&M University at Galveston

PhD in Marine Biology

Advisor: Dr. Anna Armitage

August 2017-Present

Abilene Christian University

B.S. in Biology – 3.85 GPA

Minor in Chemistry, History, and English

August 2013- May 2017

Research Experience

Texas A&M at Galveston

Marine Biology Department

Graduate Researcher, Laboratory of Anna R. Armitage, Ph.D.

2017-Present

Characterized the growth and reproduction of black mangroves after a freeze event along their range edge in the Gulf of Mexico.

Analyzed insect herbivory and leaf characteristics of black mangrove leaves along their range edge in the Gulf of Mexico using image software

Mentored undergraduate students on technical lab training

National Museum of Natural History

Smithsonian Marine Station at Fort Pierce

Intern, Principal Mentors Justin Campbell, Ph.D., and Olivia Rhodes Ph.D.

2019

Set up and maintained seagrass cage and nutrient manipulation experimental array in Christmas Bay, Galveston Tx. Conducted seagrass predation array. Sampled seagrass beds for epifauna, invertebrates, and juvenile fish. Biweekly seagrass sampling, processed seagrass, soil cores, and epifaunal samples.

Dauphin Island Sea Lab

Dauphin Island, Alabama

Benthic Ecology Intern for PhD Student Haley Nicholson

Summer 2016

Consisted of marine water sampling, stable isotope analysis, chlorophyll a, nutrient analysis, oyster husbandry, extensive oyster dissecting and tissue processing

Abilene Christian University

Biology Department

Undergraduate Research Assistant

2015/16

Leader of a team of Undergraduates in Conducting DNA extractions , gel Electrophoresis, PCR, nucleic acid quantification. small mammal capture, identification and tagging, set and monitored Sherman live traps, ear sampling for genetic analysis. Set up capture grids.

Teaching Experience

Texas A&M at Galveston

Teaching Assistant

Fall 2018,2019, &2020

Coastal Plant Ecology-ran weekly labs, instructed students of important coastal plant species, assisted in developing new labs to reconfigure a field heavy course into an online format.

Spring 2019&2021

Ornithology- Developed labs for this course, lead weekly birding excursions with undergraduate students

Spring 2021-Developed new engaging online labs which still allowed students to learn about coastal ornithology in an effective way

Spring 2020

Marine Botany

Guest Lecture

Coastal Ornithology Spring 2021-Digestive anatomy and foraging strategies of Coastal Birds

Marine Botany Spring 2020 - Endosymbiotic Theory

Abilene Christian University

Teaching Assistant

2017

Taught, set up, and ran Biology II undergraduate labs, graded labs and quizzes

Biology Tutor

2017

Tutored Biology I, II, Animal Biology, and Cell Biology,

Presentations and Posters at Professional Meeting

Thompson J.E., Armitage A.R. “The Rate and Trajectory of Black Mangrove (*Avicennia germinans*) Recovery from a Severe Freeze Event in Galveston, Texas” *Biannual Meetings of Coastal and Estuarine Research Federation*, 2019, New Orleans, Louisiana. [poster]

Thompson, J.E., Armitage, A.R. “The rate and trajectory of black mangrove (*Avicennia germinans*) recovery from a severe freeze event in Galveston, Texas” *Annual Meetings of Gulf Estuarine Society* 2018, Galveston, Texas. [poster]

Thompson, J.E., Brehm, K.L., Laiseca-Ruiz, I., Hunter, R.L. “Quantifying *Wolbachia* and *Spiroplasma* Infection Rates in Monarch and Queen Butterflies” *Abilene Christian University Undergraduate Research Festival*, 2016, Abilene, Texas. [poster]

Thompson, J.E., Brehm, K.L., Laiseca-Ruiz, I., Hunter, R.L. “Quantifying *Wolbachia* and *Spiroplasma* Infection Rates in Monarch and Queen Butterflies” *Annual Meetings of Texas Academy of Science* 2016, Junction, Texas. [poster]

Thompson, J. E., Longest, C. C., Gomez, D., Hagins, L. T., Neill, N. R., Nix, S. J., Wells, R. C., Lee, T. E, and Brokaw, J. M. “Relationships between small mammal assemblages and land management in the southeastern Rolling Plains.” *Annual Meetings of Texas Academy of Science*, 2016, Junction, Texas. [poster]

Thompson, J., Longest, C., Gomez, D., Hagins, L., Neill, N., Wells, R., Nix, J, and Brokaw, J. M. “Relationships between small mammal assemblages and land management in the southeastern Rolling Plains.” *Abilene Christian University Undergraduate Research Festival*, 2016, Abilene, Texas.

Grants

Texas Sea Grant, “Grants in Aid of Graduate Research”, \$2,500

Texas A&M Galveston MARB Department, “MARB Mini Grant”, \$500

Awards and Honors

MARB-IDP 1-year Competitive Graduate Fellowship

1st in Terrestrial Ecology Posters at TAS Conference 2016

2nd Overall in Undergraduate Posters at TAS Conference 2016

SPUR Travel Award 2016

- Stipend given to undergraduate students traveling to professional conferences

ACU Undergraduate Research Festival Outstanding Poster Presentation 2015

ACU Undergraduate Research Festival Outstanding Oral Presentation 2016

ACU University Scholar 2017

- Award given to only 50 outstanding graduates of that year.

ACU Biology Researcher of the Year 2016

ACU Presidential Scholar Award

- Financial Scholarship distributed based on GPA and Academic performance

Dean’s List All Semesters of College

Society Memberships

Coastal Estuarine Research Federation- Present

Gulf Estuarian Research Society- Present

Ecological Society of America-Present

Galveston Graduate Student Association-*Vice President* – [2019]/[2020]

ACU Biology Research Club – *Vice President* – [2015]/[2016]

ACU Biology Research Club- *President*- [2016]/[2017]

Wildcats for Sustainability- *Interim President* - [2016]/[2017]

Texas Wildlife Society - [2015]/[2017]

Texas Academy of Science – [2016]/[2017]

ACU Undergraduate Research Club – [2014]/[2017]