

# BRITTNEY L. DAVIS

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## EDUCATION:

Texas A&M University at Galveston • Bachelor of Science in Marine Biology  
Minor in Chemistry • Graduated December 2012 • 3.653 GPA

## EMPLOYMENT:

Coastal and Wetlands Ecology Lab

Galveston, TX

### Student Technician

1/2010 - 12/2012

#### Sample Processing:

- Identified common salt marsh plants along the Gulf of Mexico, measured above and below ground vegetation biomass, measured percent plant coverage using VegMeasure
- Prepared plant and sediment samples for CHN analysis, determined salinity, organic and inorganic content of sediment samples, filtrated water samples for quality analysis

#### Lab Maintenance:

- Entered, organized and performed quality checks on collected data, prepared acid bath and prepped lab equipment, organized equipment in storage

#### Field Work:

- Assisted in biodiversity sampling, collected and transplanted *Spartina alterniflora*

## RESEARCH EXPERIENCE:

Coastal and Wetlands Ecology Lab

Galveston, TX

### Undergraduate Research Scholar

8/2010 - Present

#### Field Work:

- Organized details of sampling events, collected sediment cores from a brackish marsh in Port Arthur, TX

#### Sample Processing:

- Obtained infaunal specimens from sediment cores, fixed and preserved infaunal samples and identified to lowest taxonomic level possible (most commonly family), measured infaunal density and taxa richness, determined particle size, organic and inorganic content of sediment samples

#### Data Analysis:

- Performed statistical analysis to determine changes in the infaunal community in response to drought
- Ran linear regressions with abiotic properties as the independent variables and infaunal density as the dependent variable to explain potential changes in infaunal density

## SKILLS:

- Proficient in SPSS, Sigma Plot, VegMeasure, Microsoft Office and Macintosh programs and online databases for literature research

## ACADEMIC ACHIEVEMENTS:

Presented Undergraduate Research: Annual Benthic Ecology Meeting 2012

Undergraduate Research Scholars Thesis Team Program 2011 - 2012

Summer Intern at Texas A&M University at Galveston 2011

Texas A&M University at Galveston 2<sup>nd</sup> Place Category 2011 & 2012

winner at the Student Research Symposium

Undergraduate Research Scholars Thesis Program 2010 - 2011

Texas Institute of Oceanography Fellowship 2010 - 2011

## EXTRACURRICULAR ACTIVITIES:

President of TriBeta National Biological Honors Society 8/2012-12/2012

- Managed club activities by delegating and overseeing the completion of tasks
- Organized fundraisers; earned \$350 representing ~50% increase from previous years

Treasurer of TriBeta National Biological Honors Society 2011- 5/2012

- Managed finances; created a budget, applied for funds, made purchases, deposits, and balanced accounts