Jasmine I. Rodriguez

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EDUCATIONAL BACKGROUND

Texas A&M University-Corpus Christi — Graduation: 2018
Major: Bachelor of Science in Marine Biology — Cumulative GPA: 3.08

RELEVANT EXPERIENCE

Harte Research Institute- Center for Sportfish Science and Conservation
Intern — October, 2016 – January, 2017
With this internship I performed various lab work regarding fisheries and ocean health. My duties include, but not limited to, jar cleaning with specialized solutions, as well as grinding fish tissue, and preparation, cutting, and aging of otoliths.

Harte Research Institute- Center for Sportfish Science and Conservation
Research Assistant — January 2017 – Current
As a research assistant I analyzed Age and Growth patterns in King Mackerel and Red Snapper. I also aided in research project regarding Cedar Bayou Recruitment in keying marine invertebrates and vertebrates. I also went offshore for sampling as well as aid in shark tagging. During my last year as an undergraduate I performed a directed independent study on King Mackerel age and growth and analyzed age frequency and regressions.

RESEARCH

Across-shelf Comparison of Red Snapper Size and Age Structure at Artificial Reefs in the Western Gulf of Mexico
Louis Stokes Alliance for Minority Participation Undergraduate Research Program ($2,880) — February 2016 – March 2016
Artificial reef creation is a management tool commonly used to enhance fish populations and create additional recreational opportunities. Despite the popularity of these programs, the effects of this new structured habitat on fish populations is not fully understood. In the Gulf of Mexico (GOM), Red Snapper (Lutjanus campechanus) is an important reef fish commonly occurring at artificial reefs. Despite the ecological and economic importance of this species, changes in depth distributions during ontogeny are not well understood. Therefore, the purpose of this study was to examine Red Snapper size and age structure at artificial reefs in the western GOM along an inshore to offshore gradient. From fall 2012 – summer 2016, Red Snapper were sampled at nine artificial reef sites using standardized vertical line gear. Reef sites ranged from 22 – 83 m in depth and from 21 – 104 km from port. Length and age distributions suggested that offshore sites supported a greater proportion of large individuals than nearshore sites. Similarly, there was a positive trend in mean length and age with increasing site depth and distance from port. These findings provide important new information to better understand ontogenetic patterns in Red Snapper depth distribution. Furthermore, understanding these patterns is key for determining which artificial reefs may best contribute to recovery of the GOM Red Snapper population. Because of the potential influence of distance to port (i.e., a possible surrogate for fishing effort) on the patterns described here, we recommend future studies investigate how fishing effort is distributed across this inshore-offshore gradient.

Potassium and Magnesium Deficiencies in non-native Phoenix canariensis introduced to Ward Island for aesthetic appeal
First-Year Research Conference — March 2015
This observational research was conducted in my seminar class to be presented at the First-Year Research Conference. Our observations noted the nutrient deficiencies in the Canary Island Date palms located on Ward Island. From these observations, our team was able to note that there has been little to no maintenance on these non-native species, and from that, we were able to contact the grounds-keeping staff at Texas A&M University-Corpus Christi and as a result, the soil and maintenance of this species improved.

PROFESSIONAL EXPERIENCE

Texas A&M University-Corpus Christi
College of Science and Engineering — March 2017- December 2017
I perform community service tasks as a front desk receptionist, greeting students as well as faculty and staff, as well as answer any questions regarding class registration paperwork. I deliver mail to departments affiliated with the College of Science and Engineering.

Campus Life and Style
Campus Quarters — February 2016 - February 2017
I aided in account information help for over 300+ residents. I performed duties such as, cleaning apartments, delivering confidential paperwork, analyzing account balances, created and managed community events with a specific budget, performed follow-up interviews for prospective employees, and gave tours of Campus Quarters property while maintaining professional community service.

Texas A&M University-Corpus Christi
University Police Department — February 2016 - February 2017
I aided in dispatch duties which included answering urgent calls as well as handling confidential information. I also operated 100+ cameras all over the Texas A&M University-Corpus Christi campus, and reported any suspicious activity. I aided in desk help with the Parking Department in issuing out parking permits and overriding tickets. I occasionally used portable software to program lab doors located around campus.

CONFERENCES

Presented
The National Diversity in STEM Conference — October 2017
Salt Lake City, UT

Presented
TAMUCC Science Innovation — April 2017
Corpus Christi, TX

Presented
TAMUS LSAMP Symposium — March 2017
Prairie View, TX

Attended
The National Diversity in STEM Conference — October 2016
Long Beach, CA

Presented
First –Year Research Conference — May 2015
Corpus Christi, TX

PRESENTATIONS

Jasmine Rodriguez, Matthew Streich, and Gregory Stunz.

"Across-shelf Comparison of Red Snapper Size and Age Structure at Artificial Reefs in the Western Gulf of Mexico" "TAMUS Louis Stokes Alliance for Minority Participate Symposium, Prairie View, Texas. (March 2017).

SKILLS AND ABILITIES

Bilingual-Fluent in English and Spanish
Experience:
dissecting and compound microscope, diamond-blade cutting, epoxy and resin molds, aging otoliths, identifying lowest taxonomy in marine invertebrates, conducting experimental design, data analysis, knowledgeable in graphic data creation and analysis, adaptable to computer-based data programming, longlining surveys of shark nursery in Corpus Christi Bay.
Competent in Microsoft Programs

AWARDS AND ACHIEVEMENTS

Louis Stokes Alliance for Minority Participation 2016 – 2017
The National Society of Leadership and Success

AFFILIATIONS

American Fisheries Society April 2017- Present
Society for Advancement of Chicanos/Hispanics and Native Americans in Science September 2016– Present
Louis-Stokes Alliance for Minority Participation September 2016- Present
Sigma Alpha Pi January 2016 – Present
C.E.L.L.S Mentor September 2015- December 2015

COMMUNITY SERVICE

Alumni Shrimp Boil October 2014 & October 2015
For this event I helped sign in guests as well as aid in transportation from the Snoopy's Pier to the Laguna Madre Field Station. I also aided in clean up tasks after the event.