

Ceejay N. Saenz

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EDUCATION & HONORS

Texas A&M University-Corpus Christi, Tx Fall 2016-Present
Bachelor of Science in Biology
GPA: 3.5
Expected Graduation Date: December 2020

Louis Stokes Alliances for Minority Participation (LSAMP) Spring 2020
Member
Texas A&M University-Corpus Christi, Texas

Honors Program Fall 2016- Present
Recruitment Chair (Fall 2018- Spring 2019)
Texas A&M University-Corpus Christi, Texas

WORK EXPERIENCE

Research Technician June 2020- August 2020
Texas A&M University-Corpus Christi, Texas

Performed PCR on *Vibrio parahaemolyticus* isolates in the Laboratory for Microbial and Environmental Genomics. Assembled genome sequences for comparison using Spades, Velvet, and ABySS.

Intern May 2019- August 2019
Texas Commission on Environmental Quality

Learned the program used to store data and record investigations. Assisted in closing out emergency waste management sites originally opened for Hurricane Harvey. Accompanied environmental investigators to the sites, documenting the removal or presence of waste, following up with the owners to obtain the paperwork needed to close the site and writing up the conclusive report officially. Participated in inspections of wastewater treatment plants, drinking water plants, medical waste facilities, air quality complaints, and flares from refineries. Learned some field techniques and used equipment to test water quality, air quality, and flare composition.

CASA Science Tutor
Texas A&M University-Corpus Christi

August 2018- March 2019

Tutored students taking general biology and chemistry classes. Assisted students by working in the science room and being available to answer questions they had about concepts in lectures, practice problems, or their assignments.

High School Science Tutor
Corpus Christi College Preparatory High School

April 2018-May 2018

Tutored a small select group of students in biology and helped prepare them for their STARR test. Assisted the teacher by also teaching a small group of chemistry students who were ahead of the class and were ready for more advanced material.

Communication Specialist
TAMUCC Enrollment Management

January 2017-August 2018

Guided incoming students through the admission process over the phone, answering any questions and referring them to the right offices. Assisted the recruitment process by making phone calls, voicemails, or emails to prospective students and performed data entry to keep their profiles updated.

PRESENTATIONS

8th Annual MSGSO Student Research Forum
Texas A&M University-Corpus Christi, Texas

Spring 2019

Devika S. Tijerina, Steeley M. Franklin, Cindy M. Wainikainen, Liliana Perez Cantu, **Ceejay N. Saenz**, Ushante D. Cannon, Jeffrey W. Turner (2019). A long-term study to assess water quality in Oso Bay, Texas

RESEARCH EXPERIENCE

Comparative Genomic Study
Texas A&M University- Corpus Christi, Texas
Dr. Jeffrey W. Turner

Spring 2020

Environmental *Vibrio vulnificus* isolates, collected from oysters, were prepared and shipped to the Food and Drug Administration. Once sequencing data is returned, a comparative genomic study will be done analyzing the genomes and comparing the environmental isolates collected from different areas.

Oso Bay Water Quality Study

Texas A&M University- Corpus Christi, Texas

Dr. Jeffrey W. Turner

Spring 2019

Assisted in the collection of water samples and recording of environmental parameters at 8 locations, bi-weekly, around the Oso Bay for a semester. Water samples were taken to the microbiology lab, and the presence of enterococci was measured using Enterolert testing. Environmental parameters were recorded with a YSI.