

JA Roman

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410 Stasney St.
College Station, TX 77840

EDUCATION

Texas A&M University, College Station, Texas
Master of Science in Oceanography, 2nd year student Present

Texas A&M University, College Station, Texas
Bachelor of Science in Molecular & Cell Biology, Minor in Oceanography August 2023

SKILLS

Computational: Proficient in R, Microsoft Office/Excel, Adobe; Familiar with Python
Molecular skills: Proficient in PCR, DNA/RNA extraction, DNA Quantification, s16 rRNA Analysis
Statistical: Proficient in R (Phyloseq, Vegan, ggplot, etc.), Familiar with Python and OPEX, learning Metagenomics
Languages: Fluent in English, Basic Proficiency in Spanish
Other: Archery, Photography, Finance Analysis, Business Contract Writing

PLANNED THESIS

Roman, J., Doyle, S., Fidler, M., Sylvan, J. "Bacterial and Archaeal Composition on the Texas Coast Following Hurricane Harvey."
(work in progress + other possible authors)

COMMITTEE - Chair: Dr. Jason Sylvan, **Members:** Dr. Jessica Labonté, Dr. Steven DiMarco

RESEARCH EXPERIENCE

Department of Oceanography, Texas A&M University Feb. 2021–Present

Student Research Assistant, Program Aide, Graduate Research Assistant, Advisor: Dr. Jason Sylvan

Bacterial and Archaeal Composition on the Texas Coast Following Hurricane Harvey

- Analysis of microbiome along the Texas coast after Hurricane Harvey
- Analyzing type and movement of microbes both from depths and along the coastline
- Exploring association of microbes with environmental and human factors

Department of Oceanography, Texas A&M University

SEAWATER Intern

May 2021-Aug. 2021

- Undergraduate representative and research/teaching assistant for 9 other undergraduates through TAMU's SEAWATER and oceanography REU programs.
- Developed my own research and presentation alongside REU students while coordinating social events and workshops.

Cornell University Borehole Observatory, Texas A&M University, Hartwick College, Cornell University

Aug. 2022

Student Research Assistant, Advisors: Drs. Jason Sylvan, Stephanie Carr, Patrick Fulton, Nicole Fernandez

- Helped gather initial geological, chemical, and biological samples from the drill rig for a 10,000-meter borehole accessing a pre-Cambrian era aquifer.
- Initial biological samples at depth were prevented due to an issue with the rock layer being less porous than expected. Attempts are currently underway (Jan. 2024) to collect deeper samples and analyze using initial ones for comparison.

PRESENTATIONS/CONFERENCES

- **oSTEM Annual Conference**, 10/17-20/2024, Portland, Oregon; 11/09/23-11/12/23, Anaheim, California
 - Awarded the Booz-Allen Foundation travel grant in 2023 to attend the out in STEM national conference with several representatives from the Texas A&M University chapter. Presented research in 2024.
- **Ecological Integration Symposium**, 03/2023 - 03/2023, Texas A&M University
 - A two-day conference focusing on environmental and biological research, and the intersection of various disciplines. Presented a poster in the undergraduate division on Hurricane Harvey's impact to the microbiome of the Texas coast.
- **Student Research Week**, 03/17-21/2025; 03/2023; 03/2022, Texas A&M University
 - Awarded second place for the Earth Sciences undergraduate poster presentations in 2023.
- **(ASLO) Ocean Sciences Meeting**, 2023 05/2023, Palma de Mallorca, Spain.
(ASLO) Ocean Sciences Meeting, 2022 02/2022 - 03/2022, Online

BUSINESS EXPERIENCE

Trend Micro Inc.

- Finance analysis of travel expenses and global events, OPEX analysis and pipeline + management workshops

LEADERSHIP

Queer Graduate and Professional Aggies, Professional Development Organization, Texas A&M University

Outreach Officer

April 2024 – Present

- Reach out to and coordinate with other organizations, members, and guest speakers for events.

Queer Empowerment Council, Texas A&M University

April 2024 - Present

Event Committee Finance Coordinator, Communications Coordinator, Faire Committee, Contract Writer '25-'26

- Finances: Write, coordinate, and gain university approval for all contracts for major events, including with vendors, other organizations, performers, journalists, photographers, and other attendees or volunteers. Create and manage budget, handle financial transactions, help manage online marketplace, select and order merchandise, and coordinate with other committees to ensure all needs are met. I lead a team of 5 officers, designate tasks, and oversee performance along with my own work.
- Communications: Contact vendors, resources, performers, sponsors, volunteers, and other participants and members. Ensure that all tasks across committees are running smoothly and assist with coordinating members and events. Lead a team of 8 officers and help coordinate volunteers.

Event Committee Finance Coordinator, Contract Writer '24-'25

- Led a team of three officers, plus role from "Finances" above. Event was almost fully sold out.

oSTEM, Professional Development Organization, Texas A&M University

Social Affairs Committee

Dec. 2023-Present

- Assist in organizing and deciding funding for social and networking events for oSTEM at TAMU, including bi-weekly meetings and monthly brunches.
- Plan end of year celebrations for all LGBTQ+ STEM students at the university.

TAMU Ocean, Professional Development Organization, Texas A&M University

Vice-President

Sep. 2022-May. 2023

- Led meetings and organized volunteer, social, and professional development events for members.
- Represented TAMU Ocean and Department of Oceanography at multiple outreach events throughout the year.

Public Relations Manager

Dec. 2022-May. 2023

- Advertised events, managed social media for the organization, and led outreach efforts after the previous PR Manager graduated while I was VP.

Archery Team, Texas A&M University

Fixed-Pin Women's

Sep. 2022. –Present

- Develop and encourage growth in communication, analysis, teamwork, and staying calm and thinking clearly in the face of pressure. One of five members in the Fixed Pin Women's division at TAMU.

Dean's Student Advisory Panel for the College of Science, Texas A&M University

Senior Member

May 2018-Aug. 2021

- Assisted professors and Dean with welcoming incoming freshman, providing feedback from the student body to the administration, nominating professors for awards, and volunteering with events hosted by the College of Science.
- Required at least 10 hours of service a semester and helped organize both social and academic events.

PROFESSIONAL SOCIETIES

- Association for the Sciences of Limnology and Oceanography
- out in Science, Technology, Engineering, and Mathematics

Feb. 2022-present

Sep. 2022-present

AWARDS

George M & Mary B Lewis Merit Scholarship, \$1500

June 2025

Susanne Leininger '77 and Steve Leininger Scholarship, \$4000

June 2025

Robert '99 & Brin '00 Graham Scholarship \$1000

June 2025

Norma & Kenneth Harlan 55 Scholarship \$1300

June 2025

Natalie & Doug McGehee Scholarship \$1100

June 2025

Good Bull Fund for oSTEM, ~\$1500

Aug. 2024, May 2025

Booz-Allen Foundation Grant, ~\$1000

Nov. 2023

2nd place Earth Science undergraduate poster presentation at TAMU Student Research Week 2023, \$300

March 2023