

## Jose A Martinez – Curriculum Vitae

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### **Education**

2018-2022  
(Projected)      **B.S. in Oceanography, emphasis in Ocean Climate**  
Texas A&M University (TAMU), College Station, TX, Advisor: Kathryn Shamberger  
Thesis: “Effects of Interannual Trends on Seawater Carbonate Chemistry Across the Texas Continental Shelf”

### **Research Interests**

Ocean and Climate dynamics, ocean acidification, seawater carbonate chemistry, coastal ocean carbon cycling, impacts of climate change on tropical environments, calcifying marine ecosystems, carbon and nutrient cycling, tropical coral reefs, deep-sea environments, oyster reefs, impacts of plastic waste on coastal ecosystems, terrestrial inputs to the marine environment.

### **Research & Field Experience**

Jan 2021- Present      Undergraduate Research Assistant, TAMU Advisors: Dr. Kathryn Shamberger

- Attended weekly group meetings.
- Analyze seawater samples for alkalinity and dissolved inorganic carbon on a VINDTA 3C system.
- Post-process VINDTA data and manage cruise data spreadsheets
- Data analysis for carbonate chemistry, temperature, and salinity data.
- Write a report describing and discussing the analyses and results.

Jun 2021 (4 days)      Undergraduate Research Cruise – Schade Cruise  
*Collected samples in the open Gulf of Mexico to make full water column profiles to add to the research from post-Deepwater Horizon oil spill.*

- Collected and prepared total alkalinity dissolved inorganic carbon, and salinity samples.
- Learned how to prepare CTD for deployment.
- Help collect air samples to check for atmospheric-ocean surface flux.

### **Work Experience**

Aug 2021 – Dec 2021      Texas A&M University – Peer Mentor

- Develop a connection with new students
- Meet 1-1 with each student in your section at least once in the semester
- Collaborate with your instructor to create a positive learning

environment

- Assist students as needed, including keeping up with students who miss class

Sep 2020 – Jun 2021 Kroger – E-commerce Clerk

- Scan and bag products to fulfill customers' online orders while paying attention to specific customer instructions.
- Ensure quality and freshness of all items while meeting and exceeding timeliness and efficiency standards.
- Process orders and load bags into customers cars.
- Physically demanding with extended periods of time and walking extensively.

May 2020 – Aug 2020 Kroger – Overnight Stocker

- Organize and arrange merchandize in store aisles and handle warehouse inventory.
- Assist co-workers and train new associates.
- Place product correctly; face and rotate product; and work display to shelf items.
- Provide prompt answers to customers questions and requests and communicate effectively with them.

### **Professional Development**

2020 – Present Oceanography Club member at TAMU: forum for students to discuss, debate, and perform community service relating to the ocean and marine science.

2021 – Present Latinos in Science and Engineering: Public Relations Officer: responsible for publicizing MAES events via flyers, banners, sandwich boards, The Battalion, message boards, and any other viable method. Make membership cards, create the chapter T-shirt.

### **Outreach**

2021 Undergraduate Teaching Volunteer: Children's Museum Brazos Valley: Assist with introducing ocean acidification outreach to young kids (6-10).

2019 TAMU Big Event: Volunteered to help a local citizen with their yard work by coordinating my group to arrive on time & helping as efficiently as possible.

2016 – 2018 Math Club: Co-operated with 'For the Love at the Lake' by volunteering to help clean up White Rock Lake in Dallas, TX every other month.

2016 – 2018 League of United Latin American Citizens: Club oriented around how to help minorities (primarily Latinos) through education. Helped organize a shoe drive every semester for kids in need & spread awareness on how to donate. Helped run a booth at the Texas State Fair raising awareness about the organization, its scholarships & collecting donations.

**Honors and Awards**

2021	Texas Sea Grant Scholar - \$1000
2017-2020	Member of Mu Alpha Theta
2018	Mr. Congeniality of L.U.L.A.C

**Certifications and Proficiencies**

Microsoft Office  
Computer Languages: MATLAB (proficient), Python (exposure)  
Total alkalinity and dissolved inorganic carbon analyses (VINDTA3C)  
CTD (exposure)  
SAMI pH and CO<sub>2</sub> (exposure)  
Bilingual in Spanish and English  
Basic Scuba Certification (Projected May 2021)

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*Updated Jan 2022*