**Ima A. Student**

200 Maritime Academy Drive

Vallejo, CA 94590

(707) 123-4567 imastudent@csum.edu

# EDUCATION

**CSU Maritime Academy**, Vallejo, CA

Bachelor of Science, Oceanography; GPA: 3.7 Expected May 2024

*Relevant Coursework*: Marine Ecology, Physical Oceanography, Ocean Instruments and Analysis, General Chemistry, Ocean Environmental Management, Programing for Ocean Science (MATLAB), Introductory Statistics, RStudio

# HONORS AND GRANTS

Dean’s List CSU Maritime Academy (Fa2019, Sp2020)

CSU COAST Undergraduate Research Aware (2021)

Cal Maritime Foundation Travel Grant (2021)

# RESEARCH EXPERIENCE

**Bay Area Clean Oceans Inc, Richmond, CA**

*Research Assistant*, Summer 2020

Advisors: Scientist S. Scientist, Scientist S. Scientist

Assisted with small boat field deployments of water quality sondes and discrete sample collections. Responsible for monthly cleaning and calibration of YSI 6600 water quality sondes. Reported out instrument performance data to project team during monthly meetings. Assisted with drafting project report for funding agency.

**California State University Maritime Academy, Oceanography**

*San Pablo Bay Buoy Project*, Summer 2019

Advisor: Scientist S. Scientist

Fabrication of buoy components (welding) and installation of meteorological and water quality sensors. Troubleshooting operations and data storage and recovery. Assisted with initial deployment and monthly cleaning and servicing.

# PRESENTATIONS

The CSU Symposium, Sant Clara, CA, February 3-8, 2019

 Student, S. Advisor, A.

 “*Net Community Metabolism in San Pablo Bay Measured Using the Light – Dark Bottle Method” (lecture).*

Biennial Bay Delta Science Conference, Sacramento, CA September 2019

Student, S; Student, S, Advisor, A.

“Using Shore-Based Sensor Systems to Understand Hydrologic Variation in the San Francisco Delta” (poster).

Association for the Science in Limnology and Oceanography (ASLO), Honolulu, HI February 27 – March 3, 2022

Student, S; Student, S, Advisor, A.

*“Coastal Upwelling Feeds Nutrients to Central San Francisco Bay” (Poster)*

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# LEADERSHIP/SERVICE

**Cal Maritime Oceanography Club**

*Secretary,* September 2021 - Present

Record meeting notes and correspond with club leadership and general membership. Develop outreach and other club service events, including annual campus “Coastal Cleanup Day”.

# Corps of Cadets, CSU Maritime Academy

*Officer MPM Company*, September 2020 – August 2021

One of five student leaders guiding more than 200 student “cadets”. Involved in social activity planning during the academic year. Responsible for developing “watchstanding” schedules for all MPM cadets.

# MEMBERSHIP

Cal Maritime Sailing Team

Cal Maritime Sustainability Club

Vallejo Public Schools STEM Tutor.

Student Member, Coastal and Estuarine Research Federation

# TECHNICAL SKILLS

**Computational:**  Arduino, MATLAB, R Studio, PYTHON, Microsoft Office Suite, Ocean Data View.

**Wet Laboratory:** Maintenance of Yellow Springs Instruments water quality sondes (ProODO, EXO2, 6600), Sea-Bird Electronics profiling CTDs (SBE 19PlusV2, HydroCAT), UV-Vis spectrophotometry for inorganic nutrient analysis, *in vivo* and *in vitro* fluorometric chlorophyll-a (Turner Designs Model 10-AU, Trilogy), Winkler titrations using potentiometric endpoint detection (Metrohm ECO) Operations and maintenance of Milli-Q water system, Dissecting and compound microscope counts for planktod.

# LANGUAGES

Spanish (fluent)

French (conversational)