**GIUSI L. ADRAGNA**

1460 Sutter St, San Francisco (CA)

(530) 521-6014 - [gadragna1@mail.sfsu.edu](mailto:gadragna1@mail.sfsu.edu)

**EDUCATION**

**Master of Science in Interdisciplinary Marine and Estuarine Sciences** Expected 2026

San Francisco State University - San Francisco, CA

Advisor: Dr. Ellen Hines

**Bachelor of Science in Marine Biology & Limnology and Minor in Geography,** 05/2023

***Summa cum laude***

San Francisco State University - San Francisco, CA

**Associate of Science in Biology *with* *Honors*** 12/2015

Sierra College - Rocklin, CA

**RESEARCH INTERESTS**

I am interested in studying the distribution and change in migration patterns of baleen whales in relation to krill distribution due to changes in ocean and climate conditions because of climate change. I want to apply species distribution modeling using R to predict future areas that will require protection as main breeding and foraging grounds for baleen whales.

**RESEARCH EXPERIENCE**

**Lab Assistant** 07/21-08/22

Department of Biology, San Francisco State University

* Process sample photos with ImageJ to identify lesions on eelgrass for disease analysis.
* Analysis and visualization of datasets using R programming language.
* Fieldwork in intertidal zone and sampling of marine invertebrates.
* Assessment of community composition, water temperature, pH, and water quality.

**HONORS AND AWARDS**

Ocean and Coastal Field Experience Reward 2022

**PROFESSIONAL EXPERIENCE**

**GIS Research Specialist, Anthropocene Institute, Palo Alto (CA)** 09/23-present

* Obtain, create, update, and distribute the ProtectedSeas Marine Protected

Areas (MPAs) database using ArcGIS Pro.

**Rotary Climate Action Fellow, San Francisco State University** 09/22-05/23

* Educate presidents of Rotary clubs and ask them to pledge for climate change actions.
* Increase awareness of climate change through outreach and collaboration with other organizations.

**TEACHING EXPERIENCE**

**Student grader, San Francisco State University** 09/23-12/23

* Read and evaluate essays and research projects for an online class of Evolutionary Biology of about 70 undergraduate students.
* Give feedback to students about what can be improved in their writing style.

**TECHNICAL SKILLS**

* Data collection, logging, analysis, and visualization. I collected mole crabs, took measurements, and timed how many seconds it took them to burrow in the sand. The goal was to establish a relationship between size and burrowing time.
* Data analysis using R. I was given datasets on temperature and salinity in different areas of the San Francisco Bay Area with the goal of studying the relationship between these two factors and the presence of eelgrass affected by wasting disease.
* Geographic Information System using ArcGIS Pro to manage databases.
* Basic knowledge of Python.
* MS Office.

**LANGUAGES**

* Italian (fluent)
* English (Proficient)

**REFERENCES**

### **Ellen Hines, Professor and Associate Director of Academic Programs**

Department of Geography

San Francisco State University

(415) 338 – 3512, [ehines@sfsu.edu](mailto:ehines@sfsu.edu)

### **Sarah Cohen, Professor**

Department of Biology

San Francisco State University

(415) 338 – 3750, [sarahcoh@sfsu.edu](mailto:sarahcoh@sfsu.edu)