Raymond U. Infante Rosa

MSc. Student, Biological Oceanography

University of Puerto Rico, Mayaguez Campus

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Education

University of Puerto Rico, Mayaguez campus   *Mayaguez, Puerto Rico*
MSc. Biological Oceanography   *2021-present*

University of Puerto Rico, Aguadilla Campus   *Aguadilla, Puerto Rico*
BS.Biology   *2016-2020*

Professional Experience

NASA MUREP
Work on tracking Sargassum using Remote Sensing, as analyzing it InSitu. Aditionally I'm in charge of analysis
the data from InSitu equipments such as: GER1500, EXO1, Solar Light, Eureka   *2022-Present*

NOAA Cooperative Science Center in Atmospheric Science and Meteorology (NCAS-M) Fellow
Graduate Internship funded by NOAA EPP/MSI: Learned to use Remote Sensing tecnologies to track Pelagic
Sargassum as to collect for the study of the microplastic. I also Attended meeting and semminars offered by   *2022*
NOAA EPP/MSI. Finally I got an introduction for analyzing data via coding in R as utilizing SNAP software

Ramp Agent, Wester Aviation
In charge of: Marshsalling airplane, loadind/unloading baggage, pushback and cleaning   *2021*

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Research Experience

Ocean Color with Planet Scope
This research is implementing Ocean Color algorithms for Planet SuperDove Sattelites. For further analyses
on Coastal Ocean Color studies.   *2022-Present*

Possible contamination of Microplastics due to Pelagic Sargassum
This research is trying to answer if Pelagic Sargassum (*natans* and *fluitas*) can increase microplastic
concentrations on superficial water.   *2022-Present*

***Lobatus gigas* Queen Conch Project**
We were in charge of conducting two type of census (linear transect and circular observations), measuring
and quantifying *Lobatus gigas*, for further analyses on the best methodology for studying *Lobatus gigas*   *2022*

Counting *Phaethon lepturus* in the cliffs of Quebradilla Puerto Rico
We Counted *Phaethon lepturus* for the annual census of this species in the Caribbean   *2020*

Using Coastline Plant to Protect and Harden Sand Dunes
We Conclude that the uses of coastal plants, helps the Sand Dune to harden, consequently protecting
coastal houses.   *2019*

Certifications

FAA part 107 Drone Pilot certificate
2022-Present

Diver First Aid SSI
2022-Present

Nitrox Diver
2022-Present

Advance Diver

Deep Dive, Advance Buoyancy, Underwater Navigation, Boat Diving, Computer Diving
2022-Present

DRNA Navigation License

2022-Present

Navigation Skills and Safety Course

Mar-Navigation Academy
2022

Marine Debris: Challenge and Opportunity

Certificate of Participation
2021

Tools for the Management of Marine Resources of Puerto Rico

Certificate of Participation
2021

Marine Science and Public Health

Certificate of Participation
2021

XX Undergraduate Research Symposium

University of Puerto Rico, Aguadilla Campus
2021

MSEIP Undergraduate Mentored Student

2021

Associations ─────────────────────────

Asociacion de Estudiantes de Ciencias Marinas (AECiMa)

Asociation Treasurer
2022-Present

Asociacion de Estudiantes de Ciencias Marinas (AECiMa)

Vocal
2022-Present

Skills ─────────────────────────

Remote Sensing Data Analysis

Image Processing using: Seadas, SNAP, Qgis, Acolite
2022-Present

R Programming Data Analyst

Data Analysis using: Base R, Tidyverse, Rmarkdown
2022-Present

Aerial and Underwater Photographer

Drone Photography, Photo Mosaics
2022-Present

Advance Diver

Deep Dive, Advance Buoyancy, Underwater Navigation, Boat Diving, Computer Diving
2022-Present

Photo and Video Editing

Use Affinity Photo for editing, color grading and Color correction. Uses Davinci Resolve for video editing
2022-Present