

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

MSC. BIOLOGICAL OCEANOGRAPHY

Mayaguez, Puerto Rico

2021-present

University of Puerto Rico, Aguadilla Campus

BS.BIOLOGY

Aguadilla, Puerto Rico

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 SEMINARS OFFERED BY NOAA EPP/MSI. FINALLY I GOT AN INTRODUCTION FOR ANALYZING DATA VIA CODING IN R AS UTILIZING SNAP SOFTWARE

2022

Ramp Agent, Wester Aviation

IN CHARGE OF: MARSHALLING AIRPLANE, LOADING/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 SATELLITES. 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

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 Annalist	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