

Education*May 2014*

University of Puerto Rico at Mayagüez
B.Sc. Chemistry and minor in *Atmospheric Sciences & Meteorology*
General GPA: 3.02/4.00 Graduation GPA: 3.14/4.00
Member of Volleyball Varsity Team.
Member of the American Meteorological Society (AMS), Puerto Rico Student Chapter.
Demonstrations Committee Member.

Aug 2014 – present

University of Puerto Rico at Mayaguez
M.Sc. Chemical Oceanography
General GPA: 3.10/4.00
Member of Marine Sciences Student Association (AeCIMA)
2015 AeCIMA Webmaster
Expected graduation date: May 2016.

Research and Field Work Experience*Mar 2014 – present*

Student Research Assistant & Water Quality Team Leader
Caribbean Coastal Ocean Observing System (CariCOOS)
Ocean Acidification Project & IOOS CariCOOS Water Quality Initiative
Prof. Julio Morell, Melissa Meléndez & Belitza Brocco– UPRM Marine Sciences Department

Aug – Dec 2013

Chemistry Undergraduate Research
University of Puerto Rico at Mayagüez
Biosynthesis, Regulation, Reactions and Diseases related to Hydrogen Sulfide (review paper)
Dr. Juan López Garriga & Hazel Borges – UPRM Chemistry Department

Summer 2013

REU Summer Assistantship Program (Arecibo, PR)
National Astronomy & Ionosphere Center
Variability of Mesospheric Sodium Layers at Arecibo, Puerto Rico
Dr. Shikha Raizada – Sr. Research Associate
Presented work at CEDAR 2013 Annual Meeting at Boulder, CO (poster)
Presented work at AMS 2014 Annual Meeting at Atlanta, GA (poster)
Presented work at UPRM Annual Meteorology Symposium (talk)

Summer 2012

NOAA - UPRM Summer Internship (Brownsville, TX)
National Weather Service – Weather Forecast Office
The Correlation between Radar Velocity Profile Data and Wind Advisory Verification
Steve Drillette – Meteorologist in Charge
Jason Straub – Forecaster
Presented work at AMS 2013 Annual Meeting at Austin, TX (poster)
Presented work at UPRM Annual Meteorology Symposium (talk)

Summer 2011

NOAA – UPRM Summer Internship (Mayagüez, PR)
NEXRAD at Puerto Rico: Data loss due to high peaks and mountains
Dr. Mario Henrick Ierkic – UPRM Electrical & Computer Engineering Department
Presented work at UPRM Annual Meteorology Symposium (talk)

Related Courses

<i>Chemistry</i>	<i>Atmospheric Sciences & Meteorology</i>	<i>Oceanography</i>
Organic Chemistry I & II	Physical Meteorology	Physical Oceanography
Analytical Chemistry I & II	Meteorological Measurements	Biological Oceanography
Physical Chemistry I & II	Atmospheric Thermodynamics	Oceanic Observing Techniques
Instrumental Analysis	Atmospheric Dynamics	Chemical Oceanography
Inorganic Chemistry	Mesoscale Meteorology	Geological Oceanography
Chemical Laboratory Safety	Synoptic Meteorology	Biogeochemistry
General Biochemistry	Remote Sensing	
Environmental Chemistry		
Docent Practice in Laboratory		

Additional Experience

Jun 2015 NOAA Puerto Rico Weather Camp student leader
Sep 2014 Atlantic Explorer R/V, Leg #2 (Bermuda to Puerto Rico)
Teams: XBT and CTD/Rosette

Awards

2013 Club Caborrojeño, Inc. Scholarship
2012 Club Caborrojeño, Inc. Scholarship
2012 Puerto Rico NASA Space Grant travel award (2012 AMS Conference)
2011 Club Caborrojeño, Inc. Scholarship

Other Work Experience

Jan 2012 to May 2013 Mayaguez Racketenis – UPRM tennis courts administrative employee
2011 & 2009 Mayagüez Women's Professional Volleyball Team – Statistical Manager
Summer 2008 Puerto Rico Zoo (Mayagüez, PR) – Tour Guide

Certificates

Mar 2015 PADI Open Water diver
Jun 2014 US Coast Guard Auxiliary Boating Skills and Seamanship Course
Feb 2014 Chemical Waste Management in the Laboratory (Sub-Part K)
Feb 2014 OSHA Requirements: Hazardous Chemical Materials/Danger Communication/Chemical Hygiene Plan

Skills

- Bilingual: Spanish and English
- Complete knowledge using computers, including Microsoft Office and web browsing
- Take responsibility and think about a task in terms of objectives and time to complete
- Report research results in both written and oral form
- Communicate persuasively with nontechnical audiences
- Team work, creativity, leadership, initiative, problem solving
- Experience in Matlab & C programming
- Laboratory skills: chromatography, spectroscopy, absorption spectroscopy, fluorometry, extractions, chemical synthesis, FT-IR, voltammetry
- Oceanographic Rosette and CTD operation
- Experienced boat operator

Interests Enjoys spending time with family, reading, sports, outdoor activities and learning.