

Natlee M. Hernandez Guevara

- OBJECTIVES:** To obtain an entry-level position as a geologist in Remote Sensing to help develop, research and apply knowledge and skills gained in college.
- EDUCATION:**
- Jan 09-Present
 - University of Puerto Rico, Mayagüez Campus
 - M.A. in Geology
 - Expected Graduation date: Dec. 2011
 - Aug 04-Dec 08
 - University of Puerto Rico, Mayagüez Campus
 - B.A. in Geology
 - GPA: 3.05/4.00
 - GPA in Geology: 3.39/4.00
- COURSEWORK:**
- Jan 09-Present: **Geochemistry**
 - Applications of the Geochemistry to the earth sciences like mineralogy, petrology, sedimentology, surface processes and aqueous environments.
 - Jan 09-Present: **Remote Sensing and GIS applied to Biology**
 - GIS and Remote Sensing techniques used to resolve and understand biologic problems. Use of the ArcGIS software.
 - Aug 08-Dec 08: **Geology applications on Remote Sensing**
 - Theory and techniques of remote sensing tools with emphasis on the geosciences, includes the discussion of image processing and analysis. The laboratory work focuses on learning the basics of remote sensing by processing and interpreting digital images with ENVI.
 - Jun 07-Jul 07: **Field Geology**
 - Field study of the west area of the Rincon Municipality and Sierra Bermeja in Lajas, PR.
 - Create geologic maps, stratigraphic columns and cross sections of those areas.
 - Measurements of the strike and dip in the structures using the Compass.
 - Identification and classification of limestones, sedimentary and volcanic rocks and the minerals and fossils that composes those rocks.
- Seismology, Igneous and Metamorphic Petrology, Sedimentary Environments and Lithogenesis, Stratigraphy, Elemental Geomorphology, Optical Mineralogy, Introduction to Meteorology, Physics Meteorology and seminars in Geology.
- WORK EXPERIENCE:**
- Jan 09-Present: **NOOA-Crest Program**
 - Processing bio-optical data of the Mayagüez Bay and create a database in GIS of the same data.
 - Jan 09-Present: **Special Topic on Geophysics**
 - Literature review of the ways to measure the mineral content of the suspended sediments on the Mayagüez Bay and determine them composition.
 - Determine which are the best ways and methodology to know the mineral composition of the suspended sediments.
 - Aug 08-Dec 08: **Changes on coverage and NDVI of the Parguera, PR, mangroves during 70 years**
 - Determine coverage of the mangroves using aerial photography and IKONOS imagery.
 - Create NDVI products for the area of study and compare them along time.
 - Aug 07-Dec 08: **Puerto Rico Seismic Network**
 - Education Program- Give briefings pre-college level students about earthquakes and their risks and damage preventions.
 - Make drills of tsunami and earthquakes.
 - Organization of the “Science Week” activity.
 - May 08- Sept 08: **U.S. Geological Service**
 - Processing and analyze South Florida Everglades imagery to produce DEM files.
 - Jan 08-May 08: **Undergraduate research**
 - Grain Size, Composition and Spectral Response of Deposited Sediments in Mayagüez Bay.
 - Aug 07- Dec 07: **Undergraduate Research**
 - Understanding the dynamic of MODIS Chlorophyll-a in Mayagüez Bay and its relationship with suspended sediments.
 - Aug 07- Dec 07: **Jose Bravo and Associates**
 - Direct participation on the organization of the of “*Simulacro El Seco*” drill.
- SKILLS:**
- Operating Systems:** Windows 200x/XP, Mac OS X
Computer Applications: ENVI 4.x, IDL 7.x, SeaDAS, CanvasX, Microsoft Office Suites, Adobe Suites, Web Browsers.
Languages: Spanish, English (both oral and written)
Other: Teamwork, leadership, self-starter, ambitious, enjoy challenging projects, accept responsibility well and possess good verbal and communication skills, great attitude, perfectionist, patient, quick learner, hard-working, disciplined.
- ACTIVITIES:**
- Oct 05-Present: Member, Student Geologic Society