

## Yadira Soto Viruet

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### EDUCATION

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*University of Puerto Rico at Mayagüez, PR*

**M.S. in Geology**

Expected graduation: May 2010

*University of Puerto Rico at Mayagüez, PR*

**B.A. in Geology**

**2002-2007**

GPA: 3.06

- Relevant Courses: Geomorphology, Morphology and Optical Crystallography, Structural Geology, Crystal Chemistry and Geochemistry of Mineral Systems, Geological Applications of Remote Sensing, Engineering Geology, Field Geology, Geographical Informational System (GIS), Stratigraphy, Sedimentology and Lithology and others.

*Luis Muñoz Rivera High School, Utuado, PR*

**1999-2002**

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### PROFESIONAL EXPERIENCE

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*Puerto Rico Seismic Network, University of Puerto Rico at Mayagüez, PR*

**Assistant of Tsunami Ready Program**

**2006**

Preparation tsunami inundation modeling, seismic source characterization, protocol development, improved dissemination techniques, production of audiovisual materials, workshops, talks, and drills.

**Education and Outreach Assistance**

Design and coordinate the educative activities for schools. Do annual and monthly reports for RSPR. Collaborated doing promotion and announcement for the public and press. Review, prepare and actualize educative material, audiovisual sources (DVD, CD and Tsunami Atlas) Oriented about available educative sources like our web page, data base and record the news. Reproduce and organize educative material.

*San Jose College, Utuado, PR*

**2001- 2002**

**Teaching Assistant**

Give teaching. Reproduce and organize educative material.

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### RESEARCH, PAPERS AND ORAL PRESENTATION

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- **Soto Viruet Y., Gilbes Santaella F., 2007. Land Use/ Land Cover of two bioluminescent bays in Puerto Rico.**  
Sub-graduate Research Project
  - **Soto Viruet Y., Gilbes Santaella F., 2006. Heavy metals Contamination in two Bioluminescent Bays of Puerto Rico.**  
Sub-graduate Research Project and Poster Presentation in XI SIGMA Xi STUDENT POSTER DAY
  - **Soto Viruet Y., Aguiar Reyes M., Martínez Colón J., 2006. Efectos de la sedimentación en el muelle de Arcibo.**  
Research project at Geological Applications of Remote Sensing Course
  - **Soto Viruet Y., 2006. Field Geology, Mapping Rincón, Puerto Rico.**  
Field Geology Course
  - **Soto Viruet Y., 2006. Field Geology, Mapping Sierra Bermeja, Puerto Rico.**
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Field Geology Course

- **Soto Viruet Y., 2006. Stratigraphic Column of Rio Guatemala, PR.**  
Unpublished Paper of Statigraphic course
- **Soto Viruet Y., 2006. Cabo Rojo Facies.**  
Unpublished Paper Statigraphic course
- **Soto Viruet Y., Soto Viruet Y., Rohena R., Pujols E., Martínez J., Santiago J., 2005. San Sebastian Detail Outcrop.**  
Unpublished Paper Statigraphic course
- **Soto Viruet Y., 2005. Grain Size Distribution and Analysis.**  
Unpublished Paper Sedimentology and Lithology Course
- **Soto Viruet Y., 2005. Eolian Processes.**  
Unpublished Paper Sedimentology and Lithology Course
- **Soto Viruet Y., 2005. Sediment Transportation along the Rio Guanajibo River.**  
Unpublished Paper Sedimentology and Lithology Course
- **Soto Viruet Y., 2005. Ophiolites in Sierra Pampaneas, Argentina.**  
Unpublished Paper Crystal Chemistry and Geochemistry of Mineral System
- **Soto Viruet Y., 2005. Pillow Lavas in Salinas, PR.**  
Oral Presentation in Crystal Chemistry and Geochemistry of Mineral System
- **Soto Viruet Y., 2004. Tibes Skarn Deposit.**  
Unpublished Paper Morphology and Optical Crystallography
- **Soto Viruet Y., 2004. Tibes Skarn Deposit XRD Diffraction & Thin Section.**  
Unpublished Paper Morphology and Optical Crystallography
- **Soto Viruet Y., 2006. Geologic Time.**  
Oral Presentation in Seminar Course
- **Soto Viruet Y., 2006 Geological Applications of Remote Sensing.**  
Oral Presentation in Seminar Course
- **Soto Viruet Y., 2006 Batholiths in Puerto Rico.**  
Oral Presentation in Seminar Course

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#### PROFESSIONAL SKILLS

- Fully Bilingual: good reading, writing and communication/ speaking in Spanish and English
- Theoretical and Practical knowledge on Remote Sensing (RS) and Geographical Informational System (GIS)
- Computer Software Skills: Microsoft Office, Environmental for Visualization Images (ENVI), Arc GIS, Canvas X, Abode Suites

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#### MEMBERSHIPS

- Member of the Student Geological Society