

# *Curriculum Vitae*

VILMALIZ RODRÍGUEZ GUZMÁN

## **PERSONAL INFORMATION**

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**Date of birth:** August 3, 1982

**Place of birth:** Caguas, Puerto Rico

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## **EDUCATION**

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Master Student – Geology Department, University of Puerto Rico at Mayagüez, 2006 (Third Year)

Expected Graduation: May/09

Current GPA: 4.00

Bachelor in Science - Biology/Wildlife Management concentration

University of Puerto Rico at Humacao, 2005

GPA: 3.55

High School José Campeche, San Lorenzo, 2000

GPA: 4.00

## **SPECIALIZATION COURSES**

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Vascular plants taxonomy

Biology of terrestrial vertebrates of P.R.

Population Ecology

Community Ecology

Wildlife Management

Applications of Remote Sensing and GIS in Biology

Advanced Geological Remote Sensing

Cartography and Geodesy in Geosciences

## **PROFESSIONAL INTERESTS**

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To prepare myself to work comprehensively with the technology and procedures used to study natural resources. I am interested to have a career which promotes conservation of natural resources to improve the quality of life.

## WORK EXPERIENCE

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### **2006 summer: Physical Science Technician (Intern)**

WORK PLACE: United States Geological Survey (USGS), Reston, VA

DESCRIPTION: GIS data acquisition and processing to prepare a Maryland GIS dataset to evaluate risk mitigation strategies. Existing data was also evaluated and corrected with more accurate and updated information.

### **2005: WAE-Soil Conservation Aid**

WORK PLACE: United States Department of Agriculture (USDA), Natural Resources Conservation Service (NRCS), Field Office in Humacao, Puerto Rico

DESCRIPTION: Map development of the participating farms to prepare their conservation plans. Visit farms to certify the good quality of the different conservation practices.

### **2005: Internship**

WORK PLACE: GIS Lab, Conservation & Research Center, Front Royal, VA

DESCRIPTION: Collaboration with the preparation of a manual (Using GIS and Remote Sensing in Conservation Biology in Puerto Rico), which was part of a course offered in Puerto Rico (SIG PR 2005); teaching.

### **2002- 2004: Laboratory Technician Assistant**

WORK PLACE: Biology Laboratory, University of Puerto Rico, Humacao

DESCRIPTION: Prepare the laboratory for the biology courses

## PRESENTATIONS

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### **Developing a method to monitor sedimentation processes in Mayagüez Bay using MODIS data**

DATE: April 25, 2008

PLACE: XXVII Simposio de la Flora y la Fauna del Caribe, University of Puerto Rico in Humacao

### **Developing a method to monitor sedimentation processes in Mayagüez Bay using MODIS data**

DATE: February 20-22, 2008

PLACE: SIXTH ANNUAL NOAA-CREST SYMPOSIUM, MAYAGÜEZ, PUERTO RICO

### **Monitoring sedimentation processes using a GIS based model and MODIS images**

DATE: June 20, 2007

PLACE: 4<sup>th</sup> Annual NOAA/NESDIS/StAR/CoRP Symposium, University of Maryland, College Park, Maryland

### **Flying insects associated with orchid *Lepanthes sp.* in El Verde, Puerto Rico**

DATE: March 13<sup>th</sup>, 2004

PLACE: 39<sup>th</sup> ACS Junior Technical Meeting, University of Puerto Rico in Humacao

### **Diversity of aquatic invertebrates associated with *Heliconia caribaea* in El Verde, Puerto Rico**

DATE: May 2<sup>nd</sup>, 2003

PLACE: XXII Simposio de la Flora y la Fauna del Caribe, University of Puerto Rico in Humacao

## SKILLS

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Skillful working with computers. Extensive experience working with Word, Excel and PowerPoint. Fundamental knowledge of image processing and GIS software: *ArcGIS*, *ENVI*, *IDRISI*, *ERDAS*. Experience in the collection of field data using different models of GPS units.

## LANGUAGES

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Spanish & English

## REFERENCES

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Dr. Fernando Gilbes (Graduate school mentor)  
Geology Department  
University of Puerto Rico  
Mayagüez, Puerto Rico  
TEL.: (787) 832-4040-ext.3000  
E-mail: gilbes@cacique.uprm.edu

Dr. Ariel Díaz (Undergraduate school mentor)  
Biology Department  
University of Puerto Rico  
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