

PATRINA LEANDREA BLY

Permanent Address

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Temporary Address

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Objective

To further develop knowledge and skills prevalent to areas of Mathematics and Remote Sensing trainings in the further continuance of graduate studies

Education

2011 – Present Elizabeth City State University, Elizabeth City, North Carolina
M.S. Applied Mathematics and Remote Sensing
GPA 4.0

2007 – 2011 Elizabeth City State University, Elizabeth City North Carolina
B.S. Mathematic and Secondary Education
GPA 3.56

Skills and Certifications

Adobe Dreamweaver	Linux	ENVI
Adobe PageMaker	Windows 7	MatLab
Adobe Photoshop Certification	Macintosh OS X	Microsoft Office
ArcMap GIS	Mathmatica	Oracle

Internship/ Research Experience

“Construction of a University Navigational Mobile Application at Elizabeth City State University”
2011-2012, Elizabeth City State University

“Spatial Assessment of 2010 Deepwater Horizon Oil Spill with an Emphasis on Deep Sea Coral Habitats within the Gulf of Mexico”
Summer 2010, National Oceanic and Atmospheric Administration, Miami, Florida

“Submerged Aquatic Vegetation Habitat Product Development: On-Screen Digitizing and Spatial Analysis of Core Sound”
2009-2010, Elizabeth City State University

“The Applicability of Geographical Information Systems (GIS) and Remote Sensing in Identifying Contributors of the Containment Polybrominated Diphenyl Ethers (PBDE’s) with the NOAA National Status & Trends Mussel Watch Program”
Summer 2009, National Oceanic and Atmospheric Administration, Silver Spring, Maryland

“Applying the National Aeronautics and Space Administration’s Concepts to Virginia’s Third Grade Mathematics Standards: Traveling to the Moon”
2008- 2009, Elizabeth City State University

“Designing and Developing a Portal for the Polar Grid High Performance Computing System at Elizabeth City State University”
Summer 2008, Elizabeth City State University

Work Experience

Elizabeth City State University: Elizabeth City, North Carolina

August 2008 – May 2011

Lab Assistant: Polar Grid/CERSER

Assist with requisitions, inventory, lab maintenance
travel preparation, and research. 25+hrs/wk

September 2011-present

Multimedia Assistant: Polar Grid/CERSER

Aid in the development of multimedia productions
and displays. 25+hrs/wk

Technical Affiliations

American Geophysical Union (AGU) 2009-present

Institute of Electrical and Electronics Engineers (IEEE) Student Member 2008-Present

Volunteer Experiences

Classroom Volunteer

Camelot Elementary School Chesapeake, Virginia 2008 – present

Northeastern High School, Elizabeth City, North Carolina 2010

Conferences (*presentation)

- African Association of Remote Sensing and the Environment (AARSE), Morocco Africa, October 2012
- North Carolina Council of Teachers of Mathematics 2010 State Mathematics Conference, Greensboro, North Carolina October 2010*
- IEEE International Geosciences and Remote Sensing Symposium (IGARSS)
 - Honolulu, Hawaii July 2010
 - Boston, Massachusetts, July 2008
- 2009 American Geophysical Union Fall Meeting San Francisco, California, December 2009 *
- National Oceanic and Atmospheric Administration Educational Partnership Program Fifth Education and Science Forum 2009 Washington DC. November 2009*
- Association of Computer/Information Sciences and Engineering Departments at Minority Institutions (ADMI) 2009, Baltimore, Maryland, April 2009 *
- NSF Kansas University Site Visit 2009, Lawrence, Kansas, January 2009*
- The Water Center of Advanced Materials for the Purification of Water with Systems (CAMPWS) 2008, Atlanta, Georgia, September 2008*

Publications

Bly, P., Edwards, M., The Applicability of Geographical Information Systems (GIS) and Remote Sensing in Identifying Contributors of the Containment Polybrominated Diphenyl Ethers (PBDE's) with the NOAA National Status & Trends Mussel Watch Program, IEEE- Geoscience and Remote Sensing Society IGARSS Conference, Honolulu, Hawaii, July 2010

Brinker, E., Branch, D., Bly, P., Vick, C., Jefferson, M., Submerged Aquatic Vegetation Habitat Product Development: On-Screen Digitizing and Spatial Analysis of Core Sound, IEEE- Geoscience and Remote Sensing Society IGARSS Conference, Honolulu, Hawaii, July 2010

References Upon Request