

# Patrina LeAndrea Bly

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1704 Weeksville Road, Box 672  
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## Objective

To further develop knowledge and skills prevalent to areas of Mathematics while emphasizing in studies concerning population dynamics as well as sciences areas pertaining to Remote Sensing, Geographical Information Systems, and the Geosciences.

## Education

2007 – 2011 Elizabeth City State University, Elizabeth City, North Carolina  
M.S Applied Mathematics and Remote Sensing  
GPA 4.0

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

## Skills and Certifications

Adobe Dreamweaver	Boating and Safety	Windows XP
Adobe PageMaker	Certification	MatLab
Adobe Photoshop	Linux	Microsoft Office
Certification	Macintosh OS X	Oracle
Arc Map Geographical	Mathmatica	
Information System (GIS)	Windows Vista	

## Internship/ Research Experience

“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, Elizabeth City, North Carolina

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

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Summer 2008, Elizabeth City State University, Elizabeth City, North Carolina

## Work Experience

Elizabeth City State University: Elizabeth City, North Carolina	City, North Carolina
August 2008 – August 2010	September 2010-present
Lab Assistant: Polar Grid/CERSER	Multimedia Assistant: Polar Grid/CERSER
Assist with requisitions, lab maintenance travel preparation, and research	Aid in the development of multimedia productions and displays.
25+hrs/wk	30+hrs/wk

## Memberships and Awards

American Geophysical Union (AGU) 2009-present  
National Oceanic and Atmospheric Administration, Educational Partnership Program (NOAA, EPP) Scholarship 2009-present  
Institute of Electrical and Electronics Engineers (IEEE) Student Member 2008-Present  
• Student Treasurer 2009  
Chancellor's List 2008  
Center of Excellence for remote Sensing Education and Research (CERSER) Scholarship 2008-present  
Vice Chancellor's List 2007, 2008

## Conferences (\*presentation)

North Carolina Council of Teachers of Mathematics 2010 State Mathematics Conference, Greensboro, North Carolina October 2010\*  
IEEE International Geosciences and Remote Sensing Symposium (IGARSS) 2010, Honolulu, Hawaii, July 2010 \*  
Georgia Tech FOCUS 2010, Atlanta, Georgia, January 2010  
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 \*  
Black Engineer of the Year Awards 2009, Baltimore, Maryland, February 2009  
NSF Kansas University Site Visit 2009, Lawrence, Kansas, January 2009\*  
Super Computing Conference 2008, Austin, Texas, November 2008  
The Water Center of Advanced Materials for the Purification of Water with Systems (CAMPWS) 2008, Atlanta, Georgia, September 2008\*  
IEEE International Geosciences and Remote Sensing Symposium (IGARSS) 2008, Boston, Massachusetts, July 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,

# **Patrina LeAndrea Bly**

IEEEGeoscience  
and Remote Sensing Society IGARSS Conference, Honolulu, Hawaii, July 2010