

RYAN D. LAWRENCE

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OBJECTIVE

To obtain a Ph.D in Earth and Environmental Sciences or a related field

EDUCATION

Elizabeth City State University Elizabeth City, NC, USA 2009-Present
Bachelor of Science: Chemistry Cumulative GPA: 3.5 Anticipated Graduation: May 2013

PROFESSIONAL SKILLS

ArcGIS 10 ENVI 4.3 Yellow Springs Instruments 85, 625, Pro
Microsoft Visual Studios C++ Linux MATLAB

RESEARCH INTEREST

Carbon dynamics glaciology remote sensing GIS applications

INTERNSHIP / RESEARCH EXPERIENCE

“Light Effects on Chamber Measurements of Methane and Carbon Dioxide Fluxes and their Isotopologues in a sub-Arctic Mire”

Northern Ecosystems Research for Undergraduates Summer 2012
University of New Hampshire, Durham, NH, USA
Abisko Scientific Research Station, Abisko Sweden
Mentor: Dr. Ruth Varner

“Survey to Detect Long-term Variability in Pine Island Bay Coastal Ice using Archived Landsat Imagery”

Center of Excellence in Remote Sensing Education and Research Fall 2011 - Spring 2012
Academic Year Undergraduate Research Experience
Elizabeth City State University, Elizabeth City, NC, USA
Mentor: Dr. Malcolm LeCompte

“Developing a Method for Estimating Accumulation Rates using CReSIS Airborne Snow Radar”

Research Experience for Undergraduates in Ocean, Marine, and Polar Sciences 2011 Summer 2011
University of Washington, Seattle Washington, USA
Elizabeth City State University, Elizabeth City, NC, USA
Mentors: Ms. Brooke Medley & Dr. Ian Joughin (University of Washington)

“Validation of the 2003 Antarctic Groundling Line through the use of ENVI”

Center of Excellence in Remote Sensing Education and Research Fall 2010 - Spring 2011
Academic Year Undergraduate Research Experience
Elizabeth City State University, Elizabeth City, NC, USA
Mentor: Dr. Malcolm LeCompte (Elizabeth City State University)

“Survey Of Post-Last Glacial Maximum Environment: Unusual Soil Constituents in Rockyhock Bay Stratigraphy”

Undergraduate Research Experience in Ocean, Marine, and Polar Sciences 2010 Summer 2010
Elizabeth City State University, Elizabeth City, NC, USA
Mentor: Dr. Malcolm LeCompte (Elizabeth City State University)

“Human Impacts on the Water Quality of the Pasquotank”

National Science Foundation - Watershed Watch 2009 Summer 2009
Elizabeth City State University, Elizabeth City, North Carolina, USA
Mentor: Dr. Jeff Schloss (University of New Hampshire)

REAVELANT WORK EXPERIENCE

Green For All College Campus Ambassador Fall 2011 - Spring 2012
Held various workshops and events to engage the Elizabeth City State University student body and community in efforts of creating a “green” campus and more environmentally conscious community

SELECTED PRESENTATIONS

“Light Effects on Chamber Measurements of Methane and Carbon Dioxide Fluxes and their Isotopologues in a sub-Arctic Mire”

Poster presentation
Fall 2012 American Geophysical Union Meeting
San Francisco, CA, USA
December 2012

Annual Biomedical Research Conference for Minority Students 2012
San Jose, CA, USA
November 2012

“Developing a Method for Estimating Accumulation Rates using CReSIS Airborne Snow Radar”

Poster presentation
13th Annual Undergraduate Research Conference
University of New Hampshire, Durham, NH, USA
April 2012

Oral presentation
NASA Innovations in Climate Change Workshop
Elizabeth City State University, Elizabeth City, NC, USA
November 2011

“National Science Foundation - Watershed Watch 2009”

Oral presentation
Elizabeth City State University Research Week – UNH Partnership
Elizabeth City State University, Elizabeth City, NC, USA
February 2011

AWARDS, HONORS, & SCHOLARSHIPS

The Annual Biomedical Research Conference for Minority Students
Chemistry and Interdisciplinary Award
November 2012

Center of Excellence in Remote Sensing Education and Research Scholarship
We SALUATE You! Award: Elizabeth City State University Student Government
Fall 2012 - Present
March 2012

Center of Excellence in Remote Sensing Education and Research “Research Scholar” Award
2011 - 2012

Outstanding University of North Carolina Campus Scholar (Sophomore)
2011

Who's Who Among Students In American Universities And Colleges
2011

Space Grant Undergraduate Scholarship
2010

Elizabeth City State University Excellence in Learning Award
with Highest Honors in Chemistry
Fall 2010 - Present

Elizabeth City State University Chancellor's List
Fall 2009 - Fall 2011

AFFILIATIONS / MEMBERSHIPS

ECSU Minority Access to Research Careers Undergraduate Students
Training in Academic and Research
Fall 2012 - Present

Alpha Phi Alpha Fraternity, Incorporated
2011 - Present

Center of Excellence in Remote Sensing Education and Research
Fall 2010 - Present

Institute of Electrical and Electronics Engineers Student Member
Fall 2010 - Present

American Geophysical Union
2009 - Present

Elizabeth City State University Honors Program
Fall 2009 - Present

COMMUNITY SERVICE / VOLUNTEER EXPERIENCE

Teacher's Assistant / Mathematics Tutor
Motivation, Opportunities, Determination, Excellence, and Leadership Scholars
Elizabeth City State University, Elizabeth City, NC, USA
Summer 2010, 2011

Mathematics Tutor
H.L. Trigg Community School
Elizabeth City, NC, USA
Fall 2010