

Jefferson Davis Ridgeway, IV

12003 Heatherview Drive Apt. 201
Raleigh, NC 27614
(910) 273-1328
Jdridgeway4@gmail.com

ECSU Campus Box #310
1704 Weeksville Road
Elizabeth City, NC 27909
(252) 335 -3696
Jdridgeway787@students.ecsu.edu

OBJECTIVE

To complete my undergraduate degree and pursue graduate degree in data science so as to enter the computer science field as a data scientist.

EDUCATION

Elizabeth City State University 2013-Present
Elizabeth City, North Carolina
Expected Graduation Date: 2017
Major: Computer Science
Minor: Mathematics
GPA: 3.89

PROFESSIONAL SKILLS

Adobe Dreamweaver	Java	GitHub
Adobe Photoshop	Python	MySQL
Microsoft Word	Django Web Framework	Git (Version Control System)
Microsoft Excel	HTML	PERL
Microsoft PowerPoint	CSS	TeraScan
C++	Linux (Ubuntu)	
WordPress	Macintosh OSX	

RESEARCH

Enhancing Interactivity and engagement to the Science Gateway Community Institute Workforce Development Site Spring 2017

Elizabeth City State University
Mentors: Mr. Jeff Wood

The goal of the web development team was to increase the interactivity of the SGCI Young Professionals site to attract potential members and disseminate information. This was completed utilizing WordPress Widgets to provide graphical and interactive components. Bootstrap components (HTML, CSS and JavaScript) were also researched for their inclusion into the current WordPress Content Management System (CMS) and the future Liferay CMS.

Text Analytics of Selected Reports from NASA Technical Reports Summer 2016

NASA Langley Research Center – Hampton, VA

Mentors: Mrs. Manjula Ambur, Mr. Jeremy Yagle, Mr. Ted Sidehamer

Investigated methods of locating, extracting, and ingesting a subset of documents from NTRS into the Watson Content Analytics (WCA) tool and documented the processes related to adding another collection to the Watson system. Wrote python scripts to make a more efficient data pre-processing system.

Design and Installation of a Video Conference Solution at the Center of Excellence in Remote Sensing Education and Research at ECSU Spring 2016

Elizabeth City State University

Mentor: Mr. Carlton Lamb

Identified, evaluated, and implemented a video conference solution at ECSU, which included testing different software's such as Google Hangout, Skype, and Join.me with new acquired Logitech conference hardware. Google Hangout proved to be the best solution at ECSU

Change Impact Analysis for Android Applications Summer 2015

Texas State University

Mentor: Dr. Guowei Yang

Tasked with gathering android applications that had "bugs"(errors in application that cause issues for the users android smartphone) invoked by a specific "change" within the applications. Change could be related to the code of the application and/or library change. Two applications were picked for a case study to understand the impact of the application as a whole.

Documentation of Site Preparation for Spring 2015

Installation of SeaSpace Ground Stations at ECSU

Elizabeth City State University

Mentor: Mr. Andrew Brumfield and Mr. Michael Osterhouse

Documented the installation requirements and internal processes at ECSU for SeaSpace Hardware and Software Equipment addressing; the location of engineering findings, location of installation requirements, repositioning and securing current ground stations, and proper training center needs.

A Project Management Framework for Cloud and HPC Resource Providers Summer 2014

Indiana University

Project Leaders: Mr. Gregor von Laszewski and Mr. Fugang Wang

Explored Django Web Development Framework Platform and implementing its components such as models, views, templates, URL configuration files, using python programming language with MongoDB as a backend to the project.

Update of CERSER TeraScan Cataloguing System TeraScan Image Processing Scripts Spring 2014

Elizabeth City State University

Mentor: Mr. Jeff Wood

Investigated updating the CERSER TeraScan Cataloguing System and the TeraScan Image Processing Script by using languages such as PHP, MySQL, HTML, Adobe Dreamweaver and using TeraScan software.

Analyzing Charles's Law and Avogadro's Law Summer 2013

Elizabeth City State University

Mentor: Mrs. Shanta Outlaw

Conducted and presented research on two gas laws (Charles and Avogadro's laws) and showed the relationship between the laws and hydrogen fueled vehicles.

SCHOLARSHIPS / AWARDS

NASA Minority University Research and Education Project Scholarship 2015-2017

Center of Excellence in Remote Sensing Education and Research Scholarship 2013-2017

University of North Carolina Campus Scholarship 2013-2017

Louis Stokes Alliances for Minority Participation Scholar Summer 2013

CONFERENCES (*Presented)

Association of Computer/Information Sciences and Engineering Departments at Minority Institutions (ADMI) Conference* Spring 2016

G. Herb Stout Award Recipient – NC Geographic Information System (GIS) Conference* 2015

Co-Author IGARSS 2015 Paper Publication Summer 2015

Black Engineer of the Year Awards (BEYA) Conference Spring 2015

NSF Change the World Conference Fall 2013

PROFESSIONAL WORK EXPERIENCE

Center of Excellence in Remote Sensing Education and Research 2014-2015

Computer Lab Manager/Office Assistant

Helped with aiding students in understanding of computer software programs such as Photoshop and Dreamweaver

PUBLICATIONS

Yang, G., Do, Q., Che, M. *Regression test selection for Android Applications*, MOBILESoft, May 14-22, 2016

DOI: 10.1145/2897073.2897127

Hayden, L., Wood, J., *Update of the CERSER TeraScan Cataloguing System TeraScan Image Processing Scripts*, IEEE-IGARSS Conference, July 26-3, 2015
DOI: 10.1109/IGARSS.2015.7326029

EXTRACURRICULAR ACTIVITIES

President of Pi-Byte Computer Science and Mathematics Club	2016-2017
Math Tutor at H.L. Trigg Alternative High School	2014

PROFESSIONAL MEMBERSHIPS

Institute of Electrical and Electronic Engineers Geoscience and Remote Sensing Society	2014-2017
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