Tatyana Zhakia Matthews

Permanent
2541 Richard Rozzelle Dr.
Charlotte, NC 28214
(704) 737-4340
matthews.tatyana17@gmail.com

Temporary
Campus Box 672
1704 Weeksville Road
Elizabeth City State University
Elizabeth City, NC 27909
(252) 335-3400
tzmatthews849@students.ecsu.edu

Objective
To gain expertise by obtaining a bachelor's degree in Computer Information Science, and with that expertise pursue master and doctorate degrees in Human-Computer Interaction and Design.

Education
Elizabeth City State University   Elizabeth City, North Carolina
Fall 2013
Expected Graduation Date: Spring 2017
Major: Computer Information Science
GPA: 3.68

Skills

C++	GitHub Service	Microsoft Office Suite
Java	SLR Digital Cameras	CentOS
Perl	Adobe Photoshop	SeaSpace TeraScan
HTML	Adobe Dreamweaver	Ground Penetrating Radar
Python	Macintosh OS X	Global Positioning System Devices
Chef Enterprise Platform	Windows Operating System	Cascading Style Sheets
Unmanned Aerial Vehicles (UAV)	Linux Operating System	Android Studio

Awards & Scholarships
Apple Historically Black Colleges and Universities (HBCU) Scholar	2015-Present
Center of Excellence in Remote Sensing Education and Research (CERSER)	2013-Present
University of North Carolina Campus Based Scholarship	2013-Present

Research Experience

Investigating the Security Risks and Vulnerabilities of an Android System   2015
Mentor: Dr. Xiaofeng Wang
Indiana University-Bloomington
Bloomington, Indiana
Approaching the security risks and vulnerabilities in this research study highlighted how Android System can continue as an open-source system and remain secure despite the threat of malicious attacks.

Remote Sensing Archeological Sites through Unmanned Aerial Vehicle (UAV) Imaging   2015
Mentors: Edward Swindell, Dr. Malcom LeCompte
Elizabeth City State University
Elizabeth City, North Carolina
Unmanned Aerial Vehicle (UAV) technology was applied for the purpose of remote sensing excavated archeological sites in order to investigate ground anomalies through imaging.

Apache Big Data Stack   2014
Mentor: Scott McCaulay
Indiana University-Bloomington
Bloomington, Indiana
The Apache Big Data Stack was used and applied to solve complex problems regarding Big Data.

Configuring and Customizing the HUBzero Experience   2014
Mentors: Justin Deloatch, Je'aime Powell
Elizabeth City State University
Elizabeth City, North Carolina
Research involved examining the features of HUBzero in order to configure and customize a user's experience.
The database component of the hub was investigated to determine how HUBzero handles databases,
particularly for storing Pasquotank River data.

Conferences & Presentations
Indiana University-Summer Research Opportunities in Computing (IU-SROC) Program –   2015
Poster Presentation
Indiana University-Bloomington
Bloomington, Indiana

Elizabeth City State University's Research Week – Poster Presentation   2015
Elizabeth City State University
Elizabeth City, North Carolina

Black Engineer of the Year Awards Conference   2015
Washington, D.C.

National Association of African-American Honors Programs (NAAAHP) Conference – Poster Presentation   2014
Jackson, Mississippi

Indiana University-Summer Research Opportunities in Computing (IU-SROC) Program –   2014
Poster Presentation
Indiana University-Bloomington
Bloomington, Indiana

Professional Memberships
IEEE-Geoscience & Remote Sensing Society (GRSS) Vice President of Northeastern North Carolina   2013 - Present
Chapter #03191