Tatyana Zhakia Matthews

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Temporary
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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

Macintosh OS X	Perl	SLR Digital Cameras
Windows Operating System	SLR Digital Cameras	SeaSpace TeraScan
Linux Operating System	Adobe Photoshop	Ground Penetrating Radar
Microsoft Office Suite	Adobe Dreamweaver	GPS Devices
C++	GitHub	Adobe CSS
Java	Chef Enterprise	Android Studio

Awards & Scholarships
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 highlight 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 (U.A.V.) Imaging   2015
Mentor: Edward Swindell, Dr. Malcom LeCompte
Elizabeth City State University
Elizabeth City, North Carolina
Unmanned Aerial Vehicle (UAV) technology is 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
Research explored how the Apache Big Data Stack can be 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 – Poster Presentation 2015
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 – Poster Presentation 2014
Indiana University-Bloomington
Bloomington, Indiana

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