

# Tatyana Zhakia Matthews

## PERMANENT

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## TEMPORARY

Campus Box 672  
1704 Weeksville Road  
Elizabeth City State University  
Elizabeth City, NC 27909  
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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: May 2017  
Major: Computer Information Science  
GPA: 3.78

## SKILLS

C++	NodeJS	Linux Operating System
Python	JSON	Microsoft Office Suite
Java	React	Adobe Photoshop
JavaScript	Git Version Control System	Adobe Dreamweaver
MySQL	Macintosh Operating System	
HTML	Windows Operating System	

## AWARDS, HONORS, & SCHOLARSHIPS

Apple Historically Black Colleges and Universities (HBCU) Scholars Scholarship	2016-Present
Apple Historically Black Colleges and Universities HBCU Scholars Ambassador	2016-Present
Center of Excellence in Remote Sensing Education and Research Scholarship	2013-2016
University of North Carolina Campus Based Scholarship	2013-2016

## INTERNSHIP & RESEARCH EXPERIENCE

"Software Engineering Intern" Apple Cupertino, California Manager: Hong Zhu	2016
"Quantifying Sargassum Boundaries on Eastern and Western Walls of the Gulf Stream Protruding Near Cape Hatteras into Sargasso Sea Bermuda/Azores" Elizabeth City State University Elizabeth City, North Carolina Mentor: Andrew Brumfield	2016
"Investigating the Security Risks and Vulnerabilities of an Android System" Indiana University-Bloomington Bloomington, Indiana Mentor: Dr. Xiofeng Wang	2015
"Remote Sensing Archeological Sites through Unmanned Aerial Vehicle (UAV) Imaging" Elizabeth City State University Elizabeth City, North Carolina Mentor: Edward Swindell	2015

"Apache Big Data Stack" 2014  
Indiana University-Bloomington  
Bloomington, Indiana  
Mentor: Scott McCaulay

"Configuring and Customizing the HUBzero Experience" 2014  
Elizabeth City State University  
Elizabeth City, North Carolina  
Mentor: Justin Deloatch, Je'aime Powell

## PUBLICATIONS

Holness, C., Satchell, K., Matthews, T., Remote Sensing Archeological Sites through Unmanned Aerial Vehicle (UAV) Imaging, IEEE-Geoscience and Remote Sensing Society IGARSS Conference, Beijing, China, July 2016

## PRESENTATIONS

"Investigating the Security Risks and Vulnerabilities of an Android System"  
Poster Presentation 2016  
Elizabeth City State University's Research Week  
Elizabeth City State University  
Elizabeth City, North Carolina

Poster Presentation 2016  
Association of Computer/Information Sciences and Engineering Departments at  
Minority Institutions (ADMI) Conference  
Winston-Salem, North Carolina

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

"Apache Big Data Stack"  
Poster Presentation 2015  
Elizabeth City State University's Research Week  
Elizabeth City State University  
Elizabeth City, North Carolina

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

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

## CONFERENCES

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

## AFFILIATIONS & MEMBERSHIPS

Pi-Byte Mathematics & Computer Science Club Secretary 2016-Present

IEEE-Geoscience & Remote Sensing Society (GRSS) President of Eastern North Carolina Chapter #03191 2015-Present

IEEE-Geoscience & Remote Sensing Society (GRSS) Vice President of Eastern North Carolina Chapter #03191 2013-2015