

# Tatyana Zhakia Matthews

## PERMANENT

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## TEMPORARY

Campus Box 672  
1704 Weeksville Road  
Elizabeth City State University  
Elizabeth City, North Carolina 27909  
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## OBJECTIVE

To gain expertise by obtaining a Bachelor's Degree in Computer Science, and with that knowledge pursue Master and Doctorate degrees in Human-Computer Interaction and Design.

## EDUCATION

Elizabeth City State University Elizabeth City, North Carolina  
Expected Graduation Date: May 13, 2017  
Major: Computer Science  
GPA: 3.81

## SKILLS

C++	Git Version Control System	Macintosh Operating System
HTML	Microsoft Office Suite	Windows Operating System
Cascading Style Sheets	Adobe Dreamweaver	Linux Operating System
Python	Adobe Photoshop	SeaSpace TeraScan
Java	Scrum Methodology	MySQL
Bootstrap		

## 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

"Enhancing Interactivity and engagement to the Science Gateway Community Institute Workforce Development Site" Elizabeth City State University Elizabeth City, North Carolina Mentor: Jeff Wood	2017
"Software Engineering Intern" Apple Inc. 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

<p>“Remote Sensing Archeological Sites through Unmanned Aerial Vehicle (UAV) Imaging”  Elizabeth City State University  Elizabeth City, North Carolina  Mentor: Edward Swindell</p>	2015
<p>“Apache Big Data Stack”  Indiana University Bloomington  Bloomington, Indiana  Mentor: Scott McCaulay</p>	2014
<p>“Configuring and Customizing the HUBzero Experience”  Elizabeth City State University  Elizabeth City, North Carolina  Mentors: Justin Deloatch, Je’aime Powell</p>	2014

## **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

## **CONFERENCES & PRESENTATIONS (Presented\*)**

<p>Association of Computer/Information Sciences and Engineering Departments at Minority Institutions (ADMI) Conference*  Virginia Beach, Virginia</p>	2017
<p>Elizabeth City State University’s Research Week*  Elizabeth City State University  Elizabeth City, North Carolina</p>	2016
<p>ADMI Conference*  Winston-Salem, North Carolina</p>	2016
<p>Thurgood Marshall College Fund Leadership Institute Conference  Washington, D.C.</p>	2015
<p>Indiana University Summer Research Opportunities in Computing (IU-SROC) Program*  Indiana University Bloomington  Bloomington, Indiana</p>	2015
<p>Elizabeth City State University’s Research Week*  Elizabeth City State University  Elizabeth City, North Carolina</p>	2015
<p>Black Engineer of the Year Awards Conference  Washington, D.C.</p>	2015
<p>National Association of African-American Honors Programs Conference*  Jackson, Mississippi</p>	2014
<p>IU-SROC Program*  Indiana University Bloomington  Bloomington, Indiana</p>	2014

## **AFFILIATIONS & MEMBERSHIPS**

Department of Mathematics & Computer Science Pi-Byte Club Secretary	2016-Present
IEEE-Geoscience & Remote Sensing Society (GRSS) President of Eastern North Carolina Chapter #03191	2015-2016
IEEE-GRSS Vice President of Eastern North Carolina Chapter #03191	2013-2015