Tatyana Zhakia Matthews

**PERMANENT** **TEMPORARY**

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**OBJECTIVE**

To gain expertise by obtaining a Bachelor’s Degree in Computer Information 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

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” 2016

Apple

Cupertino, California

Manager: Hong Zhu

“Quantifying Sargassum Boundaries on Eastern and Western Walls of the Gulf Stream Protruding Near 2016

Cape Hatteras into Sargasso Sea Bermuda/Azores”

Elizabeth City State University

Elizabeth City, North Carolina

Mentor: Andrew Brumfield

“Investigating the Security Risks and Vulnerabilities of an Android System” 2015

Indiana University-Bloomington

Bloomington, Indiana

Mentor: Dr. Xiofeng Wang

“Remote Sensing Archeological Sites through Unmanned Aerial Vehicle (UAV) Imaging” 2015

Elizabeth City State University

Elizabeth City, North Carolina

Mentor: Edward Swindell

“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 2015-Present

#03191

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

Chapter #03191