**ZACHERY THOMAS**

ZacheryThomas.com

ZacheryThomas12@gmail.com

**EDUCATION**

**Masters of Computer Science, Expected Graduation: May 2018**

North Carolina State University, Raleigh, NC

**Major GPA = 3.66**

**BS in Computer Science with Concentration in Cyber Security, Graduated: May 2016**

North Carolina Agricultural and Technical State University, Greensboro, NC

**Cumulative GPA = 3.79 Major GPA = 3.94**

**EXPERIENCE**

Cisco Systems Morrisville, NC

***SOFTWARE ENGINEERING INTERN*** May - Aug 2017

* Used Jenkins and Gerrit REST APIs to update JIRAs upon completion of Jenkins jobs
* Worked with team of interns to create internal site that tracks CI deployment time using AWS services
  + Used S3, ElasticsearchService, API Gateway, Lambda

Cisco Systems Morrisville, NC

***SOFTWARE ENGINEERING INTERN*** May - Dec 2016

* Developed tools for automating Kibana setup and log file migration between Docker Containers
* Worked with team to create site which tracks trends in code coverage using Nginx and Postgres containers

North Carolina A&T State University Greensboro, NC

***RESEARCH ASSISTANT and TEACHER’S ASSISTANT*** Aug 2014 - May 2016

* + - * Analyzed author similarity in anonymous social networks using K-Means clustering
      * Researched Natural Language Processing as it applies to student learning in team activities
      * Assisting students with introductory database management concepts

LGS Innovations Floram Park, NJ

***CYBER SECURITY RESEARCH INTERN*** May - Aug 2015

* + - * Researched feasibility of fingerprinting Internet of Things (IoT) network data from encrypted traffic using Python based, open-source tool called Pacumen
      * Used Python library, Scapy, and Wireshark to examine and modify information in packet capture files for anti-fingerprinting

NASA Jet Propulsion Lab (JPL) Pasadena, CA

***RADAR SCIENCES SUMMER INTERN*** May - Aug 2014

* + - * Analyzed simulated SAPHIR RADAR data using MatLab to determine rainfall rate within cloud formations

Plotted visual representations of RADAR information

Developed classifier for rainy sky using Principal Component Analysis

North Carolina Department of Transportation Durham, NC

***SUMMER ENGINEERING ASSISTANT*** May - Aug 2013

* + - * Worked with Division Design Construction using CAD software, ArcGIS, and Excel to analyze future projects
      * While working with IT department, Developed standard work procedures for Computer Backup Management

**AWARDS & ACHIEVEMENTS**

* + - * NCSU GEM Fellowship: Full Tuition and Fees (2016)
      * North Carolina A&T State University Lewis and Elizabeth Dowdy Full Academic Scholarship (2012)
      * NC-LSAMP and Engineering Academy K-18 Student Educational Program (Fall 2014– Spring 2015)
      * Induction into UPE Computer Science Honors Society (Spring 2015 - Present)
      * NCAT University Dean’s List (Fall 2012 – Spring 2016)
      * Member of National Society of Black Engineers (2012 – Present)
      * UNC Merit Scholarship (Fall 2012- Spring 2016)

**COMPUTER SKILLS**

* Experience with Python, Java, C++
* Utilized AWS (ElasticsearchService, S3, API Gateway, Lambda, Cloudfront), Docker
* Knowledgeable in JavaScript, HTML, SQL, MatLab
* Worked in Windows, Mac OS and Linux(Ubuntu, CentOS) environments