

Amanda M. Esposito

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EDUCATION

Clemson University. BS, Computer Science **4.0/4.0 GPA**

May 2022

Double minor in Business Administration and Cyber Security

SUMMARY OF SKILLS

- Skilled in C++, Java, C
- Fundamental skills in HTML, CSS, JavaScript, Typescript, Python, MongoDB, MySQL
- Basic skills in Networking, Splunk Search Engine, Proofpoint, React, AJAX
- Windows, Linux, Unix, and Ubuntu OS
- Proficient in the usage of Git, JIRA, Bitbucket, Visual Studio, Vagrant, Postman, and IntelliJ

EXPERIENCE

<https://amandae36577.github.io/>

Security Services Specialist Intern with IBM

05/24/21-08/13/21

Atlanta, GA

- Worked on two teams automating tasks for IBM's security teams. My first team worked on an application that, when accessed through an API, will utilize **CiscoConfParse** to parse a firewall's configuration file for specific information. Also, worked on adding a URL analysis functionality to an API and UI with the help of applications such as **VMRay**, **Lastline**, **URL Haus**, and **VirusTotal**. Both applications are programmed in **Python**.

Security Analyst Intern for the Cyber Security Operations Center (CSOC)

09/14/20-Present

Clemson University. Clemson, SC

- During the school year, I actively monitor, identify, interpret, and reply to incoming security incidents using **Splunk** and **Proofpoint**. Identify compromised systems/users and follow up appropriately. Respond to and research reports of phishing incidents.

Citizens Bank Developer Intern

06/01/20-08/07/20

Charlotte, NC

- Assisted in the development of a new web application, which will result in an easier transition for new employees. Completed a fully functional **REST API**, which pulled data from a **MongoDB**. I also completed a **User Interface** page using **JavaScript**, **HTML**, and **CSS**. My final product consisted of an integration of my API with my UI page using **AJAX** requests. I also gained experience with **JIRA** and **Agile Software Development**.

CUHackit

01/25/20-01/26/20

Clemson University. Clemson, SC

- Worked on a team as the sole programmer. Completed the app's development in **Android Studio** using **Java**. In an emergency, our app allows students to contact campus police instantly with their real-time location by utilizing **AWS SMS** services.

National Science Foundation Research Experience for Undergraduates

06/19 –08/19

University of North Carolina- Charlotte. Charlotte, NC

Mentor: Dr. Heather Lipford, Software and Information Systems

- Utilized my documentation of the device controls, a usability study, and an interview study to obtain data on the usability of the privacy and security controls of smart home devices. I discovered how to improve a user's experience with security controls through proper control availability.

Summer Undergraduate Research Rotation

07/18

Winthrop University. Rock Hill, SC

Mentor: Dr. Michael Whitney, Computer Science

- Conducted research on the accuracy of computer-generated closed captioning software systems.

AWARDS AND ACKNOWLEDGEMENTS

- Scholarship for Women Studying Information Systems Recipient Spring 2021
- South Carolina Palmetto Fellow Fall 2018 – Spring 2022
- Clemson University Presidents List Spring 2020, Fall 2020
- The Commitment to Excellence Award SCUFC 2017

CAMPUS INVOLVEMENT AND LEADERSHIP EXPERIENCE

- Clemson CU Cyber 01/20 – Present
- The Association for Computing Machinery and ACM-Woman's 01/20 – Present
- Clemson Miracle 12/20 – Present
- The Association for Computing Machinery (Winthrop)-Vice President 08/18 – 12/19
- Winthrop Women's Soccer Player 08/18 – 12/19
- Winthrop Eagle STEM Scholar 06/18 – 12/19
- Carolina's Woman in Computing Conference 2/21/20 – 2/22/20

COMMUNITY SERVICE

- SCUFC Strikers for Special Needs Children, Habitat for Humanity, and Pawmetto Lifeline Animal Shelter