

## Deborah Maidoh

github.com/DMAIDOH | linkedin.com/in/deborah-maidoh-2aa8381a1 |  
[deborahmaidoh@gmail.com](mailto:deborahmaidoh@gmail.com) | (207) 518-0079

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### EDUCATION

University Of Richmond, Richmond, VA

Bachelor's Of Science in Computer Science, Minor in Mathematics

Expected Completion Date: May 2022

### COURSEWORK

Data Structures and Abstractions | Algorithms | Software Systems Development | Computer Organization and Architecture | Computer Security

### TECHNICAL SKILLS

#### Languages and Technologies

- At least 1 year of experience with the following technologies and tools: Java, C++, HTML, CSS, C, R, Mac OS Terminal (git, gdb, valgrind, and more), Github, VMware Fusion, Microsoft Word, Powerpoint and Excel

#### Communication and Organization Skills

- Ability to communicate effectively in a collaborative and technical team environment
- Outstanding ability to work in a fast paced and team-based environment

#### Other Software Development Skills

- Strong object-oriented design skills, along with knowledge of data structures and algorithms
- Grounded debugging, critical thinking, and analytical skills
- Knowledgeable about Computer Security and key topics such as encryption security, buffer overflows, format string vulnerabilities, etc
- High intellectual curiosity and passion for problem solving using technology

### PROJECTS

github.com/DMAIDOH/AirportSimulation

- Project involved developing programs in Java to create an airport simulation with the aim of landing and taking off planes
- I implemented and tested using data structures such as queues and priority queues in order to successfully achieve the desired results

Buffer Overflow Vulnerability

- Modified a C program that identified and exploited a buffer overflow vulnerability in a target program
- Examined the stack layout of my target and exploit program, and made modifications to my exploit program, allowing the security of the target program to be successfully breached
- Resulted in gaining valuable knowledge on program vulnerabilities and more outstanding coding practices

github.com/DMAIDOH/Shape

- Project involved calculating the area of certain shapes in C++ and effectively testing programs for optimal results
- Implemented programs using C++ that calculated the area of the shapes using concepts such as inheritance, which led to a successful test

### JOB EXPERIENCE

Dalton State College - Mathematics tutor

Dalton, GA 09/2018-05/2019

- Enhanced the learning of students by effectively communicating and utilizing a strategized method of teaching various mathematical concepts