ALEXANDRIA DIOR BURCHFIEL

Computer Science Intern

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🔗 https://doordoorrr.github.io/   📍 Nashville/Middle TN

EXPERIENCE

Computer Science intern

ARCS Aviation

📅 02/2024   📍 Cookeville, TN

- Maximized **system/application security** and performance for government agency contacts.
- Troubleshot & improved networking configurations for deployable devices.
- Collaborated on **design architecture** decisions for **server** development, contributing to scalable and efficient server infrastructure. This included designing/implementing **interplanetary** file systems.
- **Penetration testing** for new systems.
- Designed and implemented **VR/XR** applications with **networked multiplayer** functionality for seamless object interaction.
- Developed **UI/UX and system design prototypes** for applications
- Developed and designed test plans, scenarios, scripts, and procedures as **QA.**
- Performed **code security** reviews.
- Threat Modeling for new contracts.
- Incorporated delivery requirements into planning of testing schedules.
- Utilized advanced technologies to conduct VR/XR testing/development/debugging.
- Worked in an agile environment, adhering to SCRUM principles, which involved participating in daily stand-up meetings, sprint planning, and iterative development processes.
- Authored **technical documentation** for system configuration, installation, general use, and product specs/troubleshooting.
- Mentored and **trained new interns** and QA testers.
- Researched, analyzed, and documented system requirements for new software projects, ensuring alignment with project goals and client needs.

Team Member/ Club Member

Valorant purple

📅 2022   📍 TN TECH

Club Member

CyberEagles, WiCys

📅 2022   📍 TN TECH

EDUCATION

BS-Engineering Computer Science

Tennessee Technological University

📅 01/2022 - 05/2025   📍 Cookeville, TN

- Concentration: Cybersecurity and Information Assurance
- GPA: 3.68 | Rolling Dean's List | Presidential Scholar
- **Graduating at 18 years old**
- Senior Project: Assigned to a customer to develop & implement a mobile game app suite based off of the customer's book line

SKILLS

Cybersecurity   Penn Testing

Devops   C#/C++   Networking

Software   Network Security

Quality Assurance   UI/UX   Unity

Server Management   Active Directory

FW Configuration   Cloud Platforms

Version Control   JavaScript

Database Management

FIND ME ONLINE

🌐 **MY WEBSITE/PORTFOLIO**
https://doordoorrr.github.io/

🌐 **Linkedin**
http://www.linkedin.com/in/abu...fiel

CE...TS & TRAINING

Micros...t Certified: Windows Se...er Hybrid Adminis...ator Associate (in-pro...ess)

Git Certifi...GitKr...ken March...24

CSSL Cert P...:1...cure Softw...e Concepts

DOD Cybersecu...Training (CUI, InfoSec)

PROJECTS

💎 **FULL PROJECT LIST**
https://doordoorrr.github.io/
For a more dynamic overview of my projects, visit the above link to the website I developed.

💎 **ZERO TRUST ARCHITECTURE**
- Minimize attack surface with strict access control policies
- Win Server 16