William Freeman

(240) 441-5632 • wfreem2@gmail.com
https://www.linkedin.com/in/wfreem2

EDUCATION

Towson University — **Towson, MD**
B.S. Computer Science — May 2023
GPA - 3.6
Dean's List — 2019, 2020, 2021, & 2022
Mid-Atlantic CIO Scholarship recipient — 2020

SKILLS

Operating Systems: Windows 10

Tools: Microsoft Visual Studio 2019, Visual Studio Code, IntelliJ IDEA 2020, PyCharm 2020, Packet Tracer 8.0.1

Languages/Frameworks: TCP/IP, Java, Python, C#, .NET, HTML, CSS, JavaScript, TypeScript, Angular, Git, MVVM, WPF, Object Oriented Programming, Nodejs, Express,

CERTIFICATIONS

- Cisco Certified Network Associate (CCNA) — August 2021-2024
- CompTIA Security+ (Sy0-601) — January 2022-2025

PROJECTS

Assignment Reminder Web Application — September 2021 – December 2021

- Working with four team members to develop a web application where users can create custom reminders about school assignments utilizing HTML, CSS, JavaScript, Nodejs, Express, and MySQL
- Utilizing CSS and JavaScript to create interactive, user-friendly, and intuitive UI
- Using the Agile development methodology, Scrum, to increase project quality, control, and productivity
- Employing the Git distributed version control system to manage and track project changes
- Created an API for communication with the backend server using Nodejs and Express.

Homework Reminder Desktop Application February 2021 – April 2021

- Developed a Windows desktop application using C#, .NET, and WPF that lets users create and edit reminders about homework assignments and display them in a calendar format
- Utilized the Windows Presentation Foundation (WPF) UI framework to create user interface
- Utilized the Model View ViewModel (MVVM) design pattern to separate UI development from back-end development

---

WORK EXPERIENCE

Army Research Laboratory (ARL) **Adelphi, MD**

Network Engineer Intern *Summer 2019, 2020, & 2021*

Projects

Summer 2019

- Setup a network for a university by subnetting to accommodate eight groups, implemented standard network security, facilitating communication between networking devices, and establish connectivity

Summer 2020

- Upgraded a university network to increase network throughput speed from 100Mb/s to 1000Mb/s, network capacity by replacing 24 port access switches with 48 port models, network efficiency by optimizing Spanning Tree configurations and implementing OSPF, and network security by developing and implementing access control lists and switchport protection

Summer 2021

- Prepared and submitted a bid on a contract to design, configure, and install a network for a newly constructed building.
- Developed a realistic project execution timeline
- Allocated and tracked the project budget

COURSEWORK

- Data structures and algorithm analysis
- Software Engineering
- Principles of Computer Organization
- Operating Systems (*in progress*)
