

MAXWELL MENDENHALL

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Education and Training

West Chester University | Pennsylvania | West Chester, PA |

Major: Computer Science and Programming, **Minor:** White Collar Crime, **Certificate:** Computer Security

Expected Graduation 12/2024

- GPA 3.4
- Computer Science Club Member, 2021
- Competitive Programming Club Member, 2022
- **Relevant Courses:** Computer Security, Data Structures and Algorithms, Computer Science 3, Modern Web Development and Computer Networking

Summary

Aspiring Computer Science student at West Chester University with a minor in White Collar Crime and focus on Computer Security. Skilled in web development technologies including Next.js, Flask, Java, with hands-on experience in developing data visualization platforms. Seeking an internship opportunity to apply my technical skills and gain practical industry experience.

Skills

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| <ul style="list-style-type: none">• Programming Languages: Java, Python, C# and JavaScript• Databases: Mongo DB and MySQL | <ul style="list-style-type: none">• Web development: HTML, CSS, Next.js and Node.js• Soft Skills: Critical thinking, Self-motivated and Leadership/Communication |
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Experience

Trading Algorithm Visualization Platform | Flask, MySQL and Bootstrap.

- Developed a Flask-based web application to visualize and analyze a proprietary trading algorithm.
- Implemented data visualization tools such as Chart.js.
- Designed a secure admin panel with authentication, allowing authorized personnel to log in and manage the platform.
- Integrated a file upload system in the admin panel, enabling seamless updates of trading data to the main website.

Spectre Attack Lab | C, Linux and Computer Systems

- Gained insights into the workings of the Spectre Attack, understanding how malicious actors can exploit speculative execution to access sensitive information.
- Evaluated the effectiveness of different mitigation strategies, analyzing their impact on system performance and security.
- Applied theoretical knowledge of computer security to address real-world vulnerabilities, demonstrating proficiency in securing computer systems.

Web Developer, Local Car Wrapping Business | West Chester, PA | 3/2023 - Current.

- Developed and launched a static website, enhancing the business online presence and customer reach.