

# 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

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## 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.

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## Skills

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

**Trading Algorithm + Visualization Platform** | C#, Flask, MySQL, and Bootstrap.

- Developed a Flask-based web application to visualize and analyze a proprietary trading algorithm with a file upload system in the admin panel, enabling seamless updates of trading data to the main website.
- Designed a secure admin panel with authentication, allowing authorized personnel to log in and manage the platform.
- Developed a sophisticated trading algorithm using C# to optimize and automate trading strategies.
- Successfully integrated the trading algorithm with Ninja Trader's API, ensuring seamless interaction with the trading platform.

**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** | HTML, CSS, and JS

- Developed and launched a static website, enhancing the business online presence and customer reach.
- Embedded a JS contact page onto the website to give customers easy access to interact with the staff and get a quote.