MAXWELL MENDENHALL

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Education

Bachelor of Science: **Computer And Information Sciences**   Expected in Dec 2024
West Chester University of Pennsylvania   West Chester, PA

Professional Summary

Computer Science student at West Chester University with a minor in White Collar Crime and a Computer Security Certificate. Skilled in object oriented technologies including Python, Java, C#, with hands-on experience in data science and ML models. Seeking an internship to gain practical industry experience.

Skills

- Python
- Java
- Next.js
- MySQL
- Node.js
- Machine Learning
- Wireshark
- Data Science
- MongoDB
- API's

Work History

Professional Proprietary Algorithmic Trader   Jun 2023 - Current
Topstep LLC   Remote

- Developed a profitable trading algorithm in python and C#.
- Manage and secured 50k worth of funding from a proprietary trading firm for market deployment, integrating with a broker's API and slack API for real-time position updates.
- Continuously achieving strong performance; established a website and machine learning model to display real-time results and progress.

Frontend Web Developer   Jan 2023 - Apr 2023
The Wrap Shack   West Chester, PA

- Developed an engaging website for Wrap Shack to establish an online presence and reach a wider audience, featuring their services and portfolio.
- Implemented a user-friendly contact page, enhancing client-business communication.
- Successfully attracted new clients, significantly expanding Wrap Shack's customer base and market visibility.

Projects

Machine Learning Trading Optimization | Python, scikit-learn, and Machine Learning

- Developed a logistic regression machine learning model from scratch, gaining a deep understanding of its core functions and underlying mathematics.
- Integrated trading algorithmic data into the model to uncover correlations between wins and losses.
- Enhanced the algorithm by incorporating additional features, aiming for more precise and conclusive results.

Extracurricular Activities

- Computer Science Club Member, 2021 - Actively participated in discussion on various computer science topics.
- Competitive Programming Club Member, 2022 - Participated in Capture The Flag (CTF) competitions placing overall 89 out of 3000 students.
- West Chester Rugby 2021-2023 - Engaged in team building activities in an fast paced environment.
- 51st West Chester Fire Department, Volunteer Firefighter 2022 - Served as a first responder to emergency calls, developing and applying strong communication skills in a high pressure environment.