Charles Eubanks
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Objective Statement

Aurora University Senior double-majoring in computer science & mathematics with programming knowledge in building full-stack applications while working with languages such as Java, JUnit 5, Python, Pytest, SQL, Firebase, C++, HTML/CSS, Javascript, and express.js; as well as demonstrated knowledge of data analysis with regression techniques and probability distributions that is seeking employment opportunities.

Portfolio

https://eubanksch81.github.io/

Completed Projects

- LLM Data Analysis - Python: Used a linear regression Large Language Model to create predictions based on NHL statistics.
- Web-scraped Data Analysis on Smash Ultimate Characters: Used Beautifulsoup to parse through multiple websites and pulled together data based on average and pro win-rates based on the data of all 89 characters, matchups against other characters, and the multiple stages they can play on. Performed multiple probability distributions to find a given player's chance of winning.
- Yahtzee - Javascript: Developed a front-end version of Yahtzee playable via browser that uses JSON to store data between sessions.
- Battleship - Javascript: Used Object Oriented Design to create an iconic board-game playable via browser against bots.
- SMP Management - Java: Used design patterns to manage artificial social media platforms
- Probability Generator for DND Encounters - Python: Based on given parameters of a combat scenario is Dungeons and Dragons, outputs the probability of a successful outcome for any given action for each player.
- Typeracer statistical analysis - Java/SQL/Python: Pulled data from the typeracer website to perform statistical analysis of leaderboard data, all stored inside of a database that can be queried for desired information.

Education

Aurora University - 4.0 GPA   Graduation - May 2026
- Bachelors of Science
- Major in Computer Science
- Major in Mathematics

Waubonsee Community College - 4.0 GPA   May 2023
- Associates of Science
- Major in Computer Science

Work History

Aurora University, Aurora, IL   August 2024 - Present
ASC Peer Tutor
- Helped students reinforce understanding of mathematical and programming materials such as tutoring calculus, object oriented design, and discrete proofing techniques.

Jewel-Osco, Oswego IL   May 2022 - August 2022
Part-Time Facer
- Maintained a clean and organized retail environment through facing product to front of aisles

Dollar Tree, Montgomery, IL   May 2021 - October 2021 & May 2024 - August 2024
Part-Time Associate
- Maintained a retail setting through excellent customer service

Honors

Presidential Honors List - Waubonsee Community College
Member of the Phi Theta Kappa, Alpha Beta Gamma, and Kappa Mu Epsilon Honor Society
Treasurer of the AU On Point Debate Club
Member of the AU Computer Science Club
Facilitator of the National Honor Society of Leadership and Success Honor Society