Orlando Larrington Haye

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Education

Texas A&M University - College Station, TX **Aug 2023 – May 2027**

- Pursuing a Bachelor of Science in Computer Science & Minor in Mathematics
- *Relevant Coursework*: Data Structures and Algorithms, Discrete Structures, Computation Modeling, Differential Equations, Computer Organization, Linear Algebra, Functional Programming, Statistics

Skills, Activities & Interests

Skills: Python, SQL, Java, C++, C#, Haskell, HTML/CSS, R Programming Language, JavaScript, Web Scraping
Relevant Software: mySQL, MongoDB, AWS, NLP, Node.js, Express.js, React.js, Flask, JavaFx, Gluon Scene Builder, Figma, Arduino, Visual Studio Code, GitHub
Organizations: ACC, Cybersecurity Club, Aggie AI Society, National Society of Black Engineers, TAMUSkaters
Interests: AI, Software Development, Cybersecurity, Robotics, Biotechnology, Game Development, Music, Basketball
Languages: Fluent English & Basic Spanish

Work Experience

Wingstop - Houston, TX **June 2022 – August 2023**

Wing Expert

- Proven to be flexible and trustworthy due to availability and ability to communicate with coworkers or customers who did not speak English. Additionally, I demonstrated strong leadership and customer service skills on the clock

Relevant Projects

Aggie Coding Club (ACC) **August 2023 – Present**

- **Spotify Map -** Web application that generates a 3D-visual map of the co-occurrences between Spotify Playlists to find recommendations for a user. Implemented using the Node2Vec Python algorithm and Spotify's integrated API and authentication. Our team is currently looking at other graph algorithms to increase scalability.
- **TBDEngine -** Created a game engine from scratch in C++ similar to Unity. I participated in the Physics team and was responsible for implementing how objects would interact with other objects and their environment.

Aggie Parts Picker - Texas A&M University Hackathon **September 2024**

- Using a database that's automatically populated with recipe information, alongside its generated embedding, from web scraping websites in order to use RAG to create an AI model that can intuitively respond to text queries from the users about recipes of interest. The AI model then outputs recipe information that can be sorted into meal plans (ingredients from stores or restaurants), which are then sorted into the user's school schedule, adjusting for travel time and distance using Google Maps API. This project is a web app created using React.

Real Time X-Tract: NACME 2024 Gala Hackathon Event **October 2024**

- As a team, we created a program that would remove descriptive adjectives and stop words using NLP to reduce bias and irrelevancy in research papers.

Leadership

Texas A&M University - College Station, TX (Virtual/Remote) **August 2024**

Virtual Introduction to Python (VIP) Boot Camp Peer Mentor

- Led 1-on-1 and group study sessions with mentees.
- I also analyzed and explained practice problems to mentees during lecture.

Cypress Falls High School Computer Club - Houston, TX **August 2022 – May 2023**

Vice-President

- Assisted the president when organizing officers, members, meetings, socials, and fundraisers
- Held JAVA learning and study sessions in preparation for programming competitions in the Houston area.

Awards

National Action Council for Minorities in Engineering Extern/Scholar

College Board National African American Recognition

Cy-Fair Educational Foundation The Robert Adam Family Endowment Scholarship Award Winner

Salutatorian of Highschool Graduating Class