

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, Bootstrap, 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

- Delivered high-quality customer service in fast-paced environment, regularly resolving language barriers and training new hires while handling peak traffic. I assisted 60+ customers on shift as cashier.

RELEVANT PROJECTS

Personal Portfolio Website - <https://orlandoh27.github.io/>

June 2025

- Designed and developed a personal portfolio using React, Vite, and GitHub Pages; highlights key projects and skills in a responsive, mobile-friendly layout. Deployed independently to demonstrate frontend design, self-direction, and deployment skills.

Aggie Coding Club (ACC)

August 2023 – May 2025

- **Spotify Map** - Built a 3D playlist graph web app using Python, Node2Vec, and Spotify API; processed 500+ songs to visualize relationships and explore recommendation patterns. Focused on backend data modeling, graph logic, and API/AUTH integration with future goal of integrating scalable alternatives to Node2Vec.
- **TBDEngine** - Implemented collision detection and physical object interaction in a custom C++ game engine modeled after Unity; contributed to physics module in a multi-team system, enabling interactive scenes and real-time demos for internal game testing.

Aggie Parts Picker - Texas A&M University Hackathon

September 2024

- Built a full-stack AI recipe planner using React, Node.js, Google Maps API, and RAG (retrieval-augmented generation); parsed scraped recipe data from 50+ websites into meal plans integrated with class schedules and locations to reduce user effort in planning meals.

LEADERSHIP

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

August 2024

Virtual Introduction to Python (VIP) Boot Camp Peer Mentor

- Mentored 3 new coders through group sessions and 1:1 support during a virtual Python bootcamp; explained core concepts and walked students through problem-solving strategies live during lectures.

Cypress Falls High School Computer Club - Houston, TX

August 2022 – May 2023

Vice-President

- Co-led high school CS club; organized events, fundraisers, and weekly coding sessions including Java prep for regional programming competitions.

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