

# Malik Ahmadu

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## Education

### University of Houston

Expected May 2026

Bachelor of Science in Computer Science 3.4 GPA

Houston, TX

- **Relevant Coursework:** Algorithms and Data Structures, Database Systems, Operating Systems, Computer Networks, Linear Algebra, Discrete Math

## Projects

### MyChessBot | HTML, CSS, JavaScript, Python

- Designed an AI-powered chess bot that replicates the user's playstyle based on historical game data.
- Implemented interactive game review features and a visual interface mimicking real-time human-vs-AI play.

### BookFace MarketPlace | React, Node.js, Express, MongoDB

- Built a responsive full-stack e-commerce site supporting product listings, cart functionality, and user authentication.
- Integrated secure payment simulation and dynamic product filtering to improve user shopping experience.

### WeatherWidget | JavaScript, HTML, CSS, OpenWeather API

- Developed a real-time weather widget displaying current conditions and forecasts by location.
- Emphasized clean UI/UX with responsive design, unit toggles, and animated icons for clarity.

### Test Subject 13 | C#, Unity 2D

- Collaborated on a 2D game development project, contributing to gameplay mechanics, controls, and user interface design.
- Assisted in debugging core physics interactions and optimized object collision performance to ensure smoother gameplay.

## Experience

### Data Science Extern

June 2025

QED Energy Associates

Houston, Texas

- Developed Excel-based forecasting models to predict 2025 fixed and variable costs from 2024 oil and gas production data; structured and classified financial inputs for automated analysis.
- Created visual dashboards and presentation-ready charts, performed data validation to correct anomalies, and streamlined reporting workflows through spreadsheet logic and time series analysis.

### Athletic Academic Coach

Aug 2024 – May 2025

University of Houston Athletics

Houston, Texas

- Guided and coached a caseload of 10+ student-athletes to develop academic success strategies, significantly enhancing time management and goal-setting abilities.
- Conducted personalized instructional sessions on study techniques, leading to an average 15% increase in academic performance among participants.

### Computer Science Tutor

Aug 2023 – May 2024

CougarCS Tutoring

Houston, Texas

- Mentored and supported over 150+ students through online tutoring, enhancing understanding of complex computer science concepts, including algorithms and data structures.
- Provided individualized support, resolving programming challenges across multiple languages, resulting in a 20% improvement in students' coding proficiency and coursework.

## Technical Skills

**Frontend:** HTML, CSS, Javascript, React

**Backend:** Python, C, C++, C#, Node.js

**Database:** SQL, PostgreSQL, MongoDB

**Development Tools:** Git, Linux, Web3, DApps, VS Code, AWS