Amaha Ghide

| amahaghide@gmail.com | (832) 538-3337 | [LinkedIn](#) | [Website](#)

EXPERIENCE

Youth CS Outreach Teacher, Houston, TX June 2021 – Present

- Organized a biweekly summer program for students aged 9 – 14 to introduce basic concepts of computer science through Google's CS First program. Students meet twice a week for two hours to work through Scratch to create mini games and animations.

PROJECTS

Employee Payroll Management System (C++)

- Pay tracking and calculation software designed for a Houston-area restaurant. It allows staff to clock-in and out, view estimated paycheck to date, and maintain staffing requirements for the store by notifying the staff about minimum employee count.
- The software utilizes unique staff ID numbers to record and release data.

2048 Mobile Game Replica (Python)

- Recreated a functionally identical replica of 2048 with a twist. In this version, the numbers are represented by images of the members in office for the U.S. presidential line of succession. The game manipulates visual elements while retaining core functionality and engagement.

Course Selection Software (Python)

- Created a course selection software that pulled historical course grades of professors on campus to assist students in identifying optimal classes during course selection.
- The software contains a secondary functionality as a course grade calculator. On a course-by-course basis, the calculator can use the weight of scoring listed in a syllabus to estimate the potential final grade outcome. As the assignment and midterm scores are updated, it reflects the necessary final exam score needed for a desired final grade.

Hackathons

- Participated in the HackUTD, the university hackathon, with a team of 4 to tackle the Goldman Sachs weekend challenge. Our team tracked keyword usage on online forums to analyze trending assets based on positive or negative sentiment.

EDUCATION

The University of Texas at Dallas, Dallas, TX

B.S. Computer Science, GPA: 3.5 (Expected) Dec 2023 Related coursework: Programming Fundamentals I & II, Algorithm Design and Analysis, Database Systems

SKILLS

Software Development: Java, C++, Python, Linux (Ubuntu), source and version control (git), debugging, testing

Web Development: JavaScript, React, HTML, CSS