Axel Marungike

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Portfolio: https://agiseri.github.io/Resume_Web/ |
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EDUCATION

Brookhaven College, Farmers Branch, Texas May 2020
Associate degree in science - Field of study in Computer Science

University of Texas-Arlington, Arlington, Texas December 2022
Bachelor's degree in Computer Science(expected)

SKILLS AND EXPERTISE

Languages: Java, Javascript, DART, HTML, CSS, Python,NoSQL, SQL, C/C++, Unix/Linux,ROS.
Framework/Tools: Git,Flutter,Firebase, MariaDB, Flask,Ruby on rails, AWS Cloud9.

PROJECTS

MavStudy-Flutter booking application(School team project) April 2022
Cross platform booking system application for UT-Arlington students to reserve study rooms
- Built user-friendly UI to maximize efficiency of booking process and error prevention.
- Developed a booking system with constraints to the number of reservations and notification system.
- Tools used: Flutter,DART,Firebase

FastMaps(Senior Design Project) August 2022
Mass transit app for the DFW Metroplex

- Converted static GTFS data and into a GeoJSON format to create a custom map illustrating public transportation networks using Mapbox Studio.
- Combined Mapbox APIs to enable turn by turn navigation instructions as well as predictive address searching.
- Applied Dijsktra algorithm in python to GTFS data to find optimal routes between bus/train stops

Art gallery webpage December 2021
Web page linked to a custom database to manage an art gallery

- Built relational database using SQL in MariaDB to store transactions,buyers and artists data.
- Deployed a webpage using Python and Flask to apply CRUD operations.

EXPERIENCE

Application Development Intern • Triencon Services, Inc (TSI)

October 2022–December 2022

- Produce efficient code based on task requirements that works well within the overall application design specifications.
- Maintain code and track work in source control repository.
- Refine code based on peer and client feedback.

Student Assistant • Student Access and Resources • UT-Arlington

September 2020–August 2021

LEADERSHIP & ORGANIZATIONS

Member of EE Autonobots, an embedded systems, automation, and robotics club. Currently on the programming team of an Unmanned Ground Vehicle (UGV) for a national competition. || Member of the Nation Black Society of Engineers (NSBE) UTA chapter. || Member of Phi Theta Kappa (PTK) honors society.