Magret Adekunle

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EDUCATION

University of Texas at Austin | African & African Diaspora Studies & Elements of Computing   Aug. *2020 – May 2024*

- **GPA:** 3.5
- **Organizations:** Association of Black Computer Scientist | ColorStack | Texas Nutrition | Girls Who Code
- **Certificates:** Google Technical Support Fundamentals | **Meta iOS Developer** | **Meta Front-End Developer |**
- **Awards:** Deans List x4 | NCWIT**:** Aspirations in Computing Award Winner x2

RELATED COURCES

- **Computer Science Courses:** Elements of Computer Graphics & Data Visualization | Elements of Software Engineer I & II | Elements Of Web Programming | Elements Of Software Design | Intro to Programming
- **Math Courses:** Applied Statistics | Differences and Integral Calculus | Intro to Probability and Statistic | Sequences, Series, and Multivariable Calculus | Discrete Mathematics | Probability I

TECHNICAL SKILLS

Programming Languages: Python | Java | JavaScript | PHP | R | Swift | Processing
Web Technologies: HTML5 | CSS | Figma
Frameworks & Libraries: React.js | Node.js | Flask | ASP.NET | Bootstrap | jQuery
Databases & Data: SQL | LINQ Pad & Query | JSON | Data Bricks | DBT | Spark SQL | Pyspark | PostgreSQL
Cloud Platforms: Amazon Web Services (AWS) | Google Cloud Platform (GCP)

WORK EXPERIENCES

Koinonia Texas – Marketing & Design Intern   6 Hours/week   Aug. 2023 – April 2024

- Craft visually captivating **marketing collateral** aligning with the church's distinctive **branding and messaging**.
- Aided in **strategizing**, **promoting**, and successfully **executing** a diverse range of marketing of church events and programs.
- Designed eye-catching event posters, splashes for web and Instagram, cards to **aid comprehensive marketing campaigns**.

H-E-B – Software Data Engineer Intern   40 Hours/week   May 2023 – July 2023

- Leveraged **PyCharm** to integrate **DBT** data validation metrics, **Slack alerts**, and **Great Expectation** to the CI/CD pipeline.
- Developed **data validation** & **metrics framework** utilizing **SQL**, **Pyspark**, **Python**, and **Spark SQL**, with **Data Bricks** integration for access to H-E-B analytics data on the company's website and application.
- Integrated **UI** for enhanced **visibility**, **monitoring data tests**, data quality metrics, and job runs within a single interface.
- Implemented Slack alerts and **reporting** for **efficient detection of test failures**, enabling **faster problem resolution**.
- Contributed to data consistency by **eliminating duplicate datasets**, **optimizing logic** and **table creation**, resulting in accelerated development, quicker turnaround times, and more efficient delivery.

H-E-B – System Software Developer Intern   40 Hours/week   May 2022 – July 2022

- Develop a **web application** to migrate HEB's enterprise machinery data using **.NET C#, JavaScript**, **HTML5**, and **CSS.**
- **60%** improved **search** and **accessibility** from using feedback to continuously refine and improve the user experience.
- Accomplished **displaying**, **filtering**, and **sorting** data not limited to geo-location, device types, IP address, and more.
- Utilized **Postman** for early issue debugging and testing for a seamless **API** integration with **real-time record-keeping.**
- Employed **LINQ Pad** to test LINQ expressions, debug code, and automate tasks and access data efficiently.

PROJECTS

Personal Portfolio

- Developed a professional and visually appealing portfolio effectively using **React**, **JavaScript HTML**, and **SCSS**.
- Utilized **React** to build **reusable** components and **manage** application state efficiently.
- Implemented responsive design principles to ensure **optimal performance** on various **devices** and **screen sizes**.
- Enhanced understanding of React and its ecosystem, including hooks, state management, and component lifecycle.

Music Recommendation Web Application - **Team Leader: Full-Stack Engineer**

- Coordinated the development of dynamic WebApp using **Python**, **HTML**, **CSS**, **Flask**, **PostgreSQL**, and **JavaScript**.
- Leveraged **PostgreSQL** to store and manage application data, optimizing queries for improved performance.
- Employed **Bootstrap** & **React.js** crafting responsive design to optimize user experience on various devices and performance.
- Implemented **RESTful APIs** for communication between the front and back-end for swift **data retrieval** and **manipulation**.
- Engineered the core features with **Spotify's API** and **Python** native libraries, hosting the application on **GCP.**

iOS-Reservation-Mockup

- Developed a Reservation-Mockup iOS application using **XCode** and **Swift**, simulating the reservation process for a service.
- Implemented a **user-friendly interface** utilizing **UIKit** components for seamless navigation and interaction.
- Integrated backend functionalities for data storage and retrieval using **Core Data**, ensuring **robustness** and **scalability**.
- Implemented **authentication**, **reservation scheduling**, and **notification** handling to enhance user experience and app functionality.

Figma UX/UI Design

- Designed and developed **interactive prototypes** for mobile apps and websites using **Figma**.
- Implemented user-centered design principles to create **intuitive** and **visually appealing** interfaces.
- Conducted **usability testing** and iterated on designs to improve user experience.
- Developed a robust understanding of **user-centered design principles** and **usability principles**.