Ikponmwosa "Godfrey" Osagiede

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EDUCATION

Texas Tech University, Lubbock, Texas   **May 2024**

Majors: Computer Science
Minors: Mathematics
Certifications: Google Developer Student Club Web development Certificate | Introduction to JavaScript
Related Coursework: Data Structures | Algorithms | Concepts of Programming Languages | Database Systems | Intro to Artificial Intelligence | Operating Systems | Object Oriented Programming | Software Engineering | Computer Architecture

PROFESSIONAL EXPERIENCE

Academic Information Systems & Services Intern   **August 2023 - December 2023**
Texas Tech University | Lubbock, TX

- Developed an innovative PowerShell script that optimized PC setup processes, achieving a remarkable 45% reduction in setup time, significantly enhancing efficiency and productivity within the IT infrastructure at Texas Tech University's AISS department.
- Oversaw the end-to-end management of hardware lifecycle, including strategic planning for equipment replacement, data security through HDD removal, and contributing to environmental sustainability through hardware recycling.

Area Manager Intern   **June 2022 - August 2022**
Amazon | Las Vegas, NV

- Engineered time and rate coding solutions, enhancing employee performance, and addressing operational challenges effectively.
- Innovatively redesigned workflow processes, significantly reducing idle time, improving path efficiency, and promoting safer work environments, ultimately saving the company $117,352 annually—a strategy implemented company-wide.

Strategic Electoral and Market Research Analyst   **August 2020 - October 2020**
Promark Research | Remote

- Conducted comprehensive qualitative and quantitative market research, involving both new and former clients, to gather insightful data.
- Employed advanced data analysis techniques to identify and rectify discrepancies, enhancing the overall quality and integrity of research findings.

Junior Programmer Intern   **March 2019 - July 2019**
Sunnet Systems | Lagos, Nigeria

- Engaged in rigorous testing of basic programming functions, contributing to the enhancement of software quality and performance.
- Contributed to the testing and development of software solutions, employing Agile methodologies to ensure continuous improvement and timely delivery of high-quality programs.

PROJECTS

Algorithm Visualizer   **December 2023 - Present**
Independent project | Remote

- Designed and implemented an interactive Algorithm Visualizer using Python and Pygame, which dynamically demonstrates sorting algorithms (Bubble Sort and Insertion Sort) in real-time. Addressed technical challenges such as preventing pixel overlap.
- Enhanced user engagement and understanding by incorporating features like ascending/descending order sorting, mid-sort pausing and algorithm switching, effectively translating complex algorithmic concepts into an intuitive visual format.

Lottery Purchase System   **August 2023 - December 2023**
Software Engineering Course project | Texas Tech University

- Collaboratively engineered the design of a Java-based Lottery Purchase System, leveraging OOP for a robust architecture. Managed complex databases for user data and ticket details, integrating functionalities for user interactions, secure transactions, and admin controls, all while ensuring ADA compliance.
- Implemented the project using Agile and TDD, focusing on user security and accessibility. Developed critical features like electronic ticketing, automatic notifications, and a dynamic admin dashboard for real-time ticket management, ensuring a seamless and secure user experience.

SKILLS & INTEREST

Technical: C | C++ | HTML | CSS | JavaScript | Java | Python | Django | NodeJS | SQL | Verilog | Assembly | MIPS | JQuery | Bootstrap | Pygame | ExpressJs | Docker | ES6
Interests: Software Engineering | Web Development | Game Development / Machine Learning / Artificial Intelligence | Data Analysis | Cloud Computing | Amazon Web Services