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 | Introduction to Python
Related Coursework: Data Structures | Algorithms | Concepts of Programming Languages | Database Systems | Intro to Artificial Intelligence | Operating Systems | Object Oriented Programming | Software Engineering | Computer Architecture | Parallel Programming

SKILLS

Technical: Python | Django | JavaScript | NodeJS | ExpressJs | Bash | Linux | SQL | NoSQL | React | C | C++ | HTML | CSS | Java | Git | GitHub | Verilog | Assembly | MIPS | JQuery | Bootstrap | MongoDB | Docker | ES6 | TensorFlow | MySQL | PostgreSQL

PROJECTS

Language Teaching Chatbot (In-Progress)   **January 2024 – Present**
Senior Capstone Course Project | Texas Tech University

- Currently being made with group, will utilize skills in Pytorch, Python, Algorithms, Databases, AWS, HTML, CSS, React, Django.

Lottery Purchase Management 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.

Exchange Rate Calculator   **January 2023 - March 2023**
Independent Project | Texas Tech University

- Developed and deployed an interactive exchange rate calculator using HTML, CSS, JavaScript, and a third-party API, enabling real-time currency conversions for multiple currencies.
- Conducted comprehensive testing to ensure accuracy of API-derived conversion rates.

Lexical Analyzer   **October 2022 – December 2022**
Concepts of Programming Languages Course Project | Texas Tech University

- Engineered a lexical analyzer in C/C++, capable of parsing DCooke language source code to identify and display lexeme/token pairs, utilizing grammar rules for accurate syntax parsing.
- Implemented features to handle whitespace and special characters as delimiters while excluding them from tokens, enhancing parsing precision. Made a Makefile to allow for streamlined compilation and execution on Linux environment to be able to run grader also.

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.

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.