Emmanuel Kpandeyenge

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EDUCATION

Texas Tech University | Bachelor of Science in Computer Science, Minor in Mathematics   **December 2023**

- **Relevant Coursework:** Data Structures, Design and Analysis of Algorithms, Object-Oriented Programming, Database Systems, Computer Architecture, Operating Systems, Computer Networks, Software Engineering, Software Analytics

SKILLS

- **Programming Languages**: C#, C, JavaScript, Python, Java, HTML, CSS, SQL
- **Web Technologies & Databases:** Wireshark, Excel, MySQL, MongoDB, PostgreSQL, SQL Server, Power Bi, Tableau
- **Developer Tools & APIs: Git, GitHub,** Visual Studio Code, Replit, PyCharm, Eclipse
- **Operating Systems:** Linux, Windows

CERTIFICATIONS

- Full Stack Developer Course   **May 2023**
- Business Intelligence Data Analyst   **May 2024**

WORK EXPERIENCE

Oasis Internship | HTML, CSS, JavaScript, React, GitHub | **October 2023 – March 2024**

- Engaged in challenging opportunities and real-world projects, contributing to the development and improvement in web development.
- Participated in the design, development, and testing phases of web projects, ensuring adherence to best practices and user-centric design principles.
- Demonstrated proficiency in utilizing developer tools such as Git, GitHub, and Visual Studio Code for version control and collaborative development. Leveraged knowledge of programming languages, including JavaScript, HTML, CSS, and frameworks like React.
- Worked in a fast-paced environment, showcasing my ability to adapt and innovate to meet project requirements.
- Communicated effectively with team members, providing clear documentation and status updates.

BJ's Brewhouse | Kitchen Staff | **March 2021 – Present**

- Managed high-volume food preparation and service in a fast-paced kitchen environment, demonstrating strong time management and multitasking skills.
- Collaborated with kitchen team members to ensure efficient operations and maintain high standards of food quality and safety.
- Adapted quickly to changing demands and maintained composure under pressure, showcasing resilience and flexibility.
- Implemented and maintained cleanliness and organizational standards, contributing to a safe and efficient workspace.
- Enhanced problem-solving skills by addressing and resolving issues related to kitchen operations and customer satisfaction.

PROJECT EXPERIENCE

E-Form Plus | PHP, SQL, Visual Studio, GitHub | VIDEO **|**   **February 2023 - April 2023**

- Implemented a secure user-authentication system using usernames and passwords for secure access to the platform, prioritizing user data privacy.
- Implemented a SQL database system, optimizing data organization and retrieval efficiency through the streamlined storage and management of over 50 user credentials.
- Designed a user-friendly interface to simplify navigation and streamline the process of uploading, retrieving, and managing healthcare files.
- Ensured compliance with legal standards for data privacy and security.
- Validated system functionality through rigorous QA testing and user feedback analysis.

SQL Store | SQL | SOURCE CODE **|** VIDEO **|**   **November 2023**

- Recognized the need for an efficient and scalable database system to manage stock in a regular store and addressed challenges related to inventory tracking, stock management, and retrieval of real-time stock information.
- Employed a three-tiered design and implementation approach: Conceptual Design outlined entity relationships; Logical Design specified entities, relationships, and employed normalization; Physical Design detailed MySQL implementation, covering table specifications, data types, and referential integrity considerations.
- Sampled queries demonstrate the database's ability to handle tasks like inventory tracking, stock updates, and retrieval of product information.
- Conducted research to propose extensions for predictive stock ordering and discussed trade-offs, notably considerations for denormalization based on performance requirements.
- Collaborated with stakeholders to gather requirements and ensure the database solution met business needs.

Movie Booking System | C | SOURCE CODE **|**   **November 2022 - December 2022**

- Engineered an intuitive movie ticket booking system using C, incorporating seamless navigation based on meticulous user flow analysis.
- Implemented a system where users could either create a new account or log in with their previous account, with information stored within a file.
- Empowered administrators with tools to efficiently manage movie viewings, ensuring seamless operation.
- Documented the system functionality and performed QA to ensure reliability and performance.
- Identified and addressed potential issues and bugs, ensuring a smooth user experience.

EXTRACURRICULAR ACTIVITIES

Hackathon | **November 2023**

- Showcased my ability to work fast and accurately under pressure by participating in a hackathon where I was tasked to write SQL queries within a time constraint. No outside resources were permitted.
- Demonstrated leadership and problem-solving skills while collaborating with a diverse team to develop innovative solutions.

NSBE | **August 2018 - May 2020**

- Actively participated as a member of NSBE, engaging in networking events, professional development workshops, and community outreach.
- Collaborated with fellow NSBE members to promote diversity and inclusion in the field of engineering and technology.
- Led initiatives to foster entrepreneurial spirit and innovation within the community.