Irwin Felicien

C#|.NET|HTML5|CSS3|JavaScript

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EDUCATION

Texas Southern University	Houston, Tx
Bachelor of Science in Computer Science	May 2023

GPA: 3.46

Houston Community College	Houston, Tx
Associate of Science in Computer Science	May 2020

Relevant Coursework:

- **Database Management Systems:** Gained proficiency in SQL and understanding of data storage and retrieval.
- **Advanced Object-Oriented Programming (OOP):** Developed complex software systems using Java, demonstrating a deep understanding of encapsulation, inheritance, and polymorphism.
- **Computer Programming in Java:** Mastered Java programming language and its application in software development.
- **Data & File Structures:** Learned efficient data and file organization techniques, enhancing software performance.
- **Computer Organization:** Acquired knowledge of computer hardware, digital design, and computer architecture.
- **Web Development:** Gained hands-on experience in HTML, CSS, JavaScript, and other web technologies, showcasing ability to build and maintain websites.

TECHNICAL SKILLS

Programming Languages: Java, C++, C#, .NET (Blazor), HTML, CSS, JavaScript, SQL
Software Tools: Visual Studio, Visual Studio Code, Git

PROGRAMMING PROJECTS

Workflow - Desktop App (Personal Project)   June 2023-Present
Technical Proficiencies: C#, .NET, Blazor, Supabase

- Engineered a software application using C#a and the .Net framework Blazor that facilitates user input of customer and vehicle data in a collision repair shop environment
- Implementing Supabase for database management for robust and secure storage of customer information.

Vending Machine Replica (Class Project)   August 2022 – December 2022
Technical Proficiencies: C++, fstream library

- Developed a Command Line Interface (CLI) replica of a vending machine using C++, demonstrating proficiency in object-oriented programming.
- Implemented functionality to handle currency input and change, showcasing skills in financial computation.
- Conducted overhead, cost, and labor calculations, demonstrating a strong understanding of business operations.
- Utilized the fstream library to write data to Excel, enhancing data accessibility and readability.

RESEARCH

EEG and Machine Learning   January 2023 – May 2023
Research Assistant

- Conducted research on the applications of Machine Learning in Electroencephalography (EEG) testing, demonstrating a strong understanding of both computer science and neuroscience.
- Utilized the Support Vector Machine (SVM) algorithm in Python and R languages, showcasing advanced programming skills and a deep understanding of Machine Learning algorithms.
- Compared the results with previous research using the K-Nearest Neighbor (KNN) algorithm, demonstrating critical thinking and analytical skills.