ITWELA IBOMU

Software Engineer

EDUCATION

Western Governors University
B.S Software Engineering – Grad date: 2026

PROJECTS

Financial Web Scraper Application

Client-side frontend application using Python, designed to empower users with efficient web scraping capabilities from clerk.house.gov.

Key Achievements:

- Leveraged Pandas to generate, manage, and store complex financial data, data.

- Successfully integrated OpenAI's API to format and transform and manipulate data into user-friendly links.

SIMPLCLAIM

Excel Sheet Manipulator and Cost Estimation Tool.

Key Achievements:

- Integrated OpenAI's API to facilitate natural language processing and precise cost estimation,

- Designed a user-friendly UI using Streamlit, allowing users to effortlessly input item details and receive accurate cost estimates.

- Demonstrated problem-solving prowess by designing a sophisticated cost estimation algorithm.

React Portfolio

Dynamic portfolio website created with React and Tailwind CSS. This project emphasizes my web development skills and design creativity.

Key Achievements:

- Designed an engaging UI/UX with smooth animations and scrolling, bringing life to the page using Framer Motion and Lenis.

- Routing to different pages enabled with React-Router-Dom.

Trading Algorithm(s)

Developed a custom trading algorithm for identifying my own trading setups. The algorithms employ quantitative analysis techniques to enhance precision and is validated using back testing on years of historical data.

Key Achievements:

- Incorporated arbitrage principles, identifying profit situations arising from pricing inefficiencies between securities

- Advanced pattern recognition was used as an option for automated detection of patterns and regularities in data.

SKILLS

Languages – Python, JavaScript, Html,, C#, C++, Pinescript, React, Tailwind

Frameworks & Libraries – PyAutoGUI, Pandas, OpenAI API, Three.js, Framer Motion, Streamlit, React Three Fiber, Lenis

Tools & Technology – Git, GitHub, Vercel, Visual Studio, Node.js