Daniel Yekini

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SKILLS

Java | Python | Pandas | NumPy | Data Analysis | React.js | SQL

EDUCATION

BSC Computer Science *2020 - 2024*
Queen Mary University of London

Relevant Modules: Algorithms and Data Structures | Computability Complexity and Algorithms | Data Mining | Object-Oriented Programming | Software Engineering | Operating Systems (Uinux)

English Martyrs Sixth Form College *2018 - 2020*

Physics: A | **Photography:** A | **Information Technology**: Distinction

WORK EXPERIENCE

DX Software Engineer Intern *Jun - Aug 2023*
Infosys Consulting

- **Carbon Calculator:** Prototyped the web application using eco-conscious web design principles, reducing CO2 emissions per page visit and optimising resource utilisation.
- Implemented and fine-tuned all frontend functionality in react.js, facilitating seamless integration with backend systems.
- Mentored second-batch interns in Git version control, ensuring efficient project management and knowledge transfer, contributing to team productivity.
- **Data Production and Optimisation:** Produced and optimised datasets essential for training a generative machine learning model, streamlining the machine learning process and contributing to data-driven advancements.

Software Developer Contractor *May – Jun 2023*
STEFO Holiday Homes · stefo.co.uk
- **Company Property Booking Software:** Designed and developed the UI for the company's property booking software in React.js.
- Delivered within a 2-week deadline, facilitating the client to prototype the software for investor presentations.
- Optimised code and web files, resulting in an over 80% improvement in webpage loading speed.

PROJECTS

Predicting Stock Price Movement Using Sentiment Analysis (**Ongoing**): Python, Web Scraping, API Integration, Data Cleansing
Developing a predictive model for stock price movement using sentiment analysis of financial news and social media data.

- Developing web scraping scripts using BeautifulSoup library and Yahoo Finance API to extract historical stock price data and financial news articles.
- Utilising BERT Natural Language Processing (NLP) to extract sentiment scores from the collected textual data.
- Applying machine learning methods to develop and fine-tune predictive model for stock price movement current sentiment of company.

Tic-Tac-Toe/ Connect4 AI: Java, Algorithm Development, Game Theory, OOP

- Implemented the Minimax algorithm to determine the optimal moves in a Tic-Tac-Toe game, and subsequently extended its application for Connect4 along with a GUI built using Java Swing.
- Enhanced the algorithms efficiency by implementing alpha-beta pruning, bitboard, and transposition table techniques, reducing the number of nodes evaluated and increasing depth of search for improved long-term gameplay.

Website Portfolio & Blog: HTML, CSS, JavaScript, Web Development danielyekini.com

- Accomplished the development of a personal website portfolio, implementing responsive design principles to ensure the website functions seamlessly across devices and screen sizes.
- Integrated a MySQL database for content management, enabling the addition of blog posts and project updates.
- Developed a contact form with PHP for user interaction, allowing visitors to send messages and project collaboration inquiries.

INTERESTS

Software Development | Engineering | Finance | Trading | Crypto | Data Analysis