Winston C. Dennis-Masi

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EDUCATION

University of Essex (First Class Honors) Colchester, UK
Bachelor of Engineering in Computer Systems Engineering; *July 2024*

Relevant Coursework: Data Structures and Algorithms, Software Engineering, Object Oriented Programming,Large Scale Software and Extreme Programming

Certifications: Cisco CCNA: Introduction to Networks

PROJECTS

Oro | *Python, Flask, ReactJS, PyTorch, Git* (Link) June 2024
- Developed a RESTful API using Flask in the Backend that automatically summarizes YouTube videos with a BERT language model, leveraging PyTorch for natural language processing.
- Designed and implemented a ReactJS frontend that interacts with the Flask backend, providing users with summarized content and generated flashcards.
- Integrated various APIs for video downloading and processing, ensuring seamless data flow between the backend and frontend.

Kaggle Sentiment Analysis | *Python,JavaScript, Django, SQLite, Git* (Link) May 2024
- Developing a sentiment analysis application that processes tweet data to determine sentiments (positive, negative, or neutral) and displays the analysis using interactive charts, allowing users to search for Twitter usernames.
- Implemented a feature allowing users to search for Twitter usernames, analyzing and visualizing the sentiment of their tweets through various charts for overall sentiment distribution over time.
- Integrated Google Cloud Natural Language API for accurate sentiment analysis of tweet data and Chart.js for data visualization.

Virtual Cafe | *Java, Git* (Link) Jan 2024
- Developed a client-server application simulating a café environment using Java and tcp-sockets for real-time communication.
- Implemented functionalities for customers to place orders, check order status, and manage interactions with the server.
- Created detailed documentation for setting up and running the application, ensuring ease of use and accessibility.

TECHNICAL SKILLS

Languages: Python, JavaScript, Java, HTML/CSS, C, SQL
Frameworks: ReactJS, Django, Flask, PyTorch
Developer Tools: Git, Github, , Jira, VS Code, Google Cloud Platform
Databases: PostgreSQL, SQLite