Osiregbemhe Obomighie

07591966580 | [Email](#) | [LinkedIn](#) | [Portfolio](#) | [Github](#) | London, UK (US citizen/can relocate)

Education

University of Warwick   **BEng, Systems Engineering**

Predicted Grade: 1st Class   *2021 - 2024*

Relevant Courses: Software and Systems Engineering Principles, Computer Architecture and Systems, Intelligent System Design, Advanced Software and Systems Engineering, Electrical and Electronic Circuits, Engineering Mathematics and Data Analytics

Skills

Languages: Python, TypeScript, JavaScript, C/C++, C#, Dart, SQL, GraphQL, MATLAB
Technologies: React, NodeJs, ExpressJs, Django, Firebase, Flutter, Strapi, Unity
Databases: MongoDB, PostgreSQL, MySQL

Experience

Incoming Cloud Software Engineer Intern - Bristol, UK   *July 2023 - July 2024*
Hewlett Packard

Software Developer - Coventry, UK   *October 2022 - Present*
Butterfly
- Collaborating with 8 other students developers to create a social media application for our university to allow better connectivity
- Published on both the App store and Android Play store and has gained **over 800** downloads since release in September
- Improving the back end which is built using **Dart** and **Firebase** to improve scalability to allow more students and prevent crashing

Software Engineer - Coventry, UK   *October 2022 - Present*
Warwick Hyperloop
- Designing the new software systems and refactoring old systems within the hyperloop using **C++** and **Python**
- Performing data analysis using **Numpy, Pandas** and **Matplotlib** and **MATLAB** to try and reduce latency between motor and maglev system by **10%**

Software Engineer Intern - London, UK   *Jul 2022 - Sept 2022*
Ford Motors
- Designed and developed a 4DX racing game prototype for Ford's Sync System using **Unity Game Engine** and **C#**
- Developed **Python** and **C++** programs to power microcontrollers to simulate how systems within the car would respond to different events that happened within the game.
- Prototype has now been taken over by Ford's IOT team in California with the hopes of releasing a proper application

Software Engineer Spring Intern - Remote, UK   *Jun 2022 - Jul 2022*
Lloyds Banking Group
- Utilized Python, Pandas and Matplotlib to clean and analyze **12000** simulated bank transactions and presented findings
- Developed a video calling application, using **React,** in the frontend which would make API calls to a the backend, designed in **NodeJS, ExpressJs, WebSockets** using **MVC architecture** and **MongoDB Atlas**

Extra-Curricular

Imperial College AC Hackathon   *November 2022*
- Placed 3rd in the Imperial & Google African Caribbean Society Hackathon. Designed and built a web application using **ReactJs, Apache**,**Tensorflow** and **Python,** that would provide a score based on an **image recognition** and conversations with a **AI Chatbot**
- Trained the chatbot using **sentiment analysis** to accurately provide a score, which will change during the day based on brief conversations with the user
- Developed a **recommendation system** using **Tensorflow** with **collaborative filtering** that would suggest different activities during the day to increase the users mood score

JP Morgan Code for Good Hackathon   *October 2022*
- Placed **1st out of 20** teams in J.P Morgan Hackathon. Worked with 5 students to develop a social media app for deafblind individuals
- Designed the backend for the application using **Flutter**, **Firebase** and utilized **MVC** architecture to allow users to login, comment and display posts in a live feed
- Implemented **Google's speech to text API** to allow users to comment on posts and a **Machine Learning API** that described the post when tapped on

Kingdom Code: Build Hackathon   *October 2022*
- **Won most likely project to make an impact** in Kingdom Code Build Hackathon, where I worked alongside other software developers to help develop a full stack web application for a food bank company
- Utilized **TypeScript, React, GraphQL**, **Strapi** and **PostgreSQL** to develop the application , which recorded the number of items the food bank currently had within trays and the location of trays within warehouses
- Designed a QR Code scanner component that would query items against existing **PostgreSQL** databases if present or populate form with data from the **Nutritionix API**.