

# Osiregbemhe Obomighie

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## Education

<b>Warwick University</b> <i>Predicted Grade: First Class (1st)</i> Relevant Courses: Computer Architecture and Systems, Machine Learning and Intelligent Systems, Advanced Software Engineering	BEng Electrical and Electronic Engineering 10/2021 – 06/2025
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## Technical Skills

**Languages:** Python, TypeScript, Golang, C/C++, Java, MATLAB, C#, Dart,  
**Technologies:** Git, React, Docker, AWS, Flask, GCP, Apache Spark, PostgreSQL, MySQL

## Work Experience

<b>Software Engineer Intern</b> <i>Hewlett Packard   Typescript, Golang, Python, React, AWS, Apache Spark, Docker</i>	07/2023 - 06/2024 Bristol, UK
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- Developed update announcement feature using **Golang** and **React**, achieving **80%** test coverage; deployed on **AWS EKS** to enhance user engagement and feature discovery.
- Integrated **AWS S3** for efficient image and video storage, resulting in a **20%** increase in service usage and improved application performance, enhancing user experience.
- Engineered a **PySpark** solution for dynamic data ingestion, leveraging JSON schema loading from a dedicated **S3 bucket** to efficiently manage and execute multiple concurrent streaming jobs

<b>Software Engineer Intern</b> <i>JP Morgan   Python, Java, Spring boot</i>	03/2023 - 04/2023 London, UK
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- Gained hands-on experience with Test-Driven Development (TDD) by engineering reliable **Spring Boot** API routes for a caching application, bolstering system stability with **JUnit** testing
- Collaboratively engaged in pair programming with a senior engineer to develop comprehensive **unit tests** in **Python** and conduct **reactive testing**, enhancing the reliability and robustness of JP Morgan's Athena trading system.
- Developed a **Flask REST API** and **SQLite** database to store course information and interface with **OpenAI**, resulting in the creation of educational events that expanded local educational resources for primary school kids

<b>Software Engineer</b> <i>Butterfly Technologies Ltd   Dart, Flutter, Firebase, GCP</i>	10/2022 - 06/2023 Coventry, UK
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- Steered design and execution of a social media app, boosting user experience with features like group chats and event alerts, achieving **2,000+** downloads within months of launch
- Improved the mentions and polls functionalities, directly fueling a **15%** surge in active user engagement and enhancing the overall app experience.
- Leveraged **Google Cloud Functions** to craft a friend-finding feature based on course interests, catalyzing the app's adoption across five additional universities

<b>Software Engineer Intern</b> <i>Ford Motor Company   C#, Python, C++, Unity, Node-Red</i>	07/2022 - 09/2022 London, UK
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- Designed a 4DX racing game for Ford's Sync System using **Unity**, **C#**, **Python**, and **C/C++**, achieving a **60%** reduction in latency through expertise in low-level programming
- Elevated gaming experience via real-time systems mastery, optimizing performance for the 4DX racing game on Ford's Sync System

<b>Software Engineer Intern</b> <i>Lloyd's Banking Group   Python, Numpy, Seaborn</i>	06/2022 – 07/2022 London, UK
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- Analyzed, transformed, and visualized **12,000** simulated bank transactions using **Python**, **NumPy**, and **Seaborn**, gaining insights into technology-driven improvements in user experience and forecasting capabilities within the financial sector

## Projects

<b>Personal Portfolio</b>   <i>NextJs, Typescript</i>	09/2021 - Present
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- My portfolio showcases a curated collection of my software engineering projects, offering an in-depth view of my past experiences and skills. It highlights projects I've developed and hackathons I've participated in.

<b>YouTube to MP3 Video Converter</b>   <i>Python, Flask, Docker, Kubernetes, RabbitMQ, MySQL</i>	01/2024 - Present
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- Created a versatile platform designed for efficiently downloading sermons from YouTube, enabling convenient offline listening. This multi-service solution was tailored to accommodate bulk downloads, ensuring easy access to inspirational content at any time.

<b>Halo Pharmacy</b>   <i>Typescript, NextJs, AWS</i>	09/2023
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- Designed a temporary website for facilitating customer nominations during a nearby Boots pharmacy closure. This solution enabled a seamless transfer of prescriptions to my father's pharmacy, significantly contributing to a **50%** increase in nominations

## Responsibilities

<b>ECL Mentor</b> <i>Crimson Education Tutor</i>	10/2022 - present Remote, UK
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- Collaborated with students to harness their creativity and problem-solving skills in developing impactful CS projects, utilizing a comprehensive understanding of current technologies and industry trends

## Interests

- Basketball** - Member of Bracknell Cobra D3 National team and Warwick University Basketball team
- Reading** - Avid reader, mainly enjoys books about software engineering, psychology and Christianity. Currently reading 'Algorithms to Live by'