

Osiregbemhe Obomighie

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Education

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

Languages: Python, TypeScript, Golang, C/C++, MATLAB, Java, Lua, C#, Dart,
Technologies: Git, React, ExpressJs, Flask, Firebase, Docker, AWS, Flutter, Strapi, GraphQL, PostgreSQL, MongoDB

Work Experience

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| Software Engineer Intern <i>Hewlett Packard</i> <ul style="list-style-type: none">Collaborated with the 'Origin' scrum team on HPE Greenlake cloud data services and implemented an AWS S3 bucket for image storage, leading to a 20% increase in service usage and improved application performanceUtilized Golang to implement liveness and readiness checks for the REST API to ensure service uptime and quick recovery, resulting in improved service monitoring and a reduced downtime of 10% | 07/2023 - Present <i>Bristol, UK</i> |
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| Software Engineer - Spring Intern <i>JP Morgan</i> <ul style="list-style-type: none">Acquired practical TDD expertise and developed robust API routes using Spring Boot and JUnit, resulting in increased reliability of the applicationDeveloped 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 | 03/2023 - 04/2023 <i>London, UK</i> |
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| Software Engineer <i>Butterfly Technologies Ltd</i> <ul style="list-style-type: none">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 launchImproved the mentions and polls functionalities, directly fueling a 15% surge in active user engagement and enhancing the overall app experience. | 10/2022 - 06/2023 <i>Coventry, UK</i> |
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| Software Engineer Intern <i>Ford Motor Company</i> <ul style="list-style-type: none">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 programmingElevated gaming experience via real-time systems mastery, optimizing performance for the 4DX racing game on Ford's Sync System | 07/2022 – 09/2022 <i>London, UK</i> |
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| Software Engineer - Spring Intern <i>Lloyd's Banking Group</i> <ul style="list-style-type: none">Analyzed, transformed, and visualized 12,000 simulated bank transactions using Python, Pandas, and Matplotlib, gaining insights into technology-driven improvements in user experience and forecasting capabilities within the financial sector | 06/2022 – 07/2022 <i>London, UK</i> |
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Projects

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| Algorithmic Trading Bot <i>Python, Matplotlib, Pandas, Yahoo Finance, Scikit Learn</i> <ul style="list-style-type: none">Developing a trading bot with another intern utilising three different trading algorithms of Mean Reversion Algorithm, Momentum Trading and a simple linear regression model | 08/2023 - Present |
| Halo Pharmacy <i>Typescript, NextJs, AWS(API Gateway,Lambda, DynamoDB, CloudWatch, SES)</i> <i>Halo Pharmacy</i> <ul style="list-style-type: none">Designed and created a full-stack web app for a pharmacy to receive new nominations. Utilised AWS to send out emails of daily emails of all the new nominations | 09/2023 |
| Fellow <i>React Native, NextJs, Typescript, Firebase, Google Cloud Services, Bolls API</i> <i>Fellow</i> <ul style="list-style-type: none">Launched a distinctive Christian platform with over 45 testers, designed to allow users to share interpretations and insights on Bible verses, fostering an inclusive community for spiritual growth. | 02/2023 - Present |
| ICHack <i>Python, Keras, Pandas, AWS</i> <ul style="list-style-type: none">Achieved top 10 placement in the Optiver Sponsor Challenge at ICHack by developing a high-performing trading bot, utilizing machine learning algorithms on AWS EC2 for real-time market analysis and strategic high-frequency trading | 02/2023 |

Responsibilites

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| Computer Science and Mathematics Tutor <i>Crimson Education Tutor, MyTutor</i> <ul style="list-style-type: none">Provided 100+ hours of specialized tutoring in A Level and GCSE Computer Science, employing innovative teaching methods to achieve a 20% improvement in student test scores, showcasing expertise and commitment to student success | 10/2022 - 07/2023 <i>Remote, UK</i> |
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Interests

- Basketball** - Member of Warwick University Men's basketball team and Vice Captain of Warwick ACS Basketball Team
- Reading** - Avid reader, mainly enjoy books about software engineering and psychology. Currently reading Cyber Effect by Mary Aiken