

## Contact

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christianegwim (LinkedIn)

## Top Skills

Artificial Intelligence (AI)

Machine Learning

Big Data Analytics

## Languages

English (Professional Working)

## Certifications

AWS Certified Machine Learning –  
Specialty

Big Data Developer.

## Honors-Awards

AUST Scholarship Award.

Ph.D. Studentship University of  
Hertfordshire

Associate Fellow (AFHEA)

## Publications

Boruta-grid-search least square  
support vector machine for NO2  
pollution prediction using big data  
analytics and IoT emission sensors

Ensemble of ensembles for fine  
particulate matter pollution prediction  
using big data analytics and IoT  
emission sensors

Applied Artificial Intelligence for  
Predicting Construction Projects  
Delay

A Comparative Study on Machine  
Learning Algorithms for Assessing  
Energy Efficiency of Buildings

# Dr Christian Egwim

Artificial Intelligence Engineer| Author & Speaker| Business  
Strategist

Hatfield, England, United Kingdom

## Summary

Dr Christian Egwim is a digital technologist in artificial intelligence, big data analytics, machine learning, IoT, cloud computing, and expert systems.

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## Experience

University of Hertfordshire

4 years 11 months

Artificial Intelligence Engineer

April 2024 - Present (5 months)

Hatfield, England, United Kingdom

# To design, develop, and implement AI models and algorithms using techniques such as machine learning, deep learning, natural language processing, and computer vision.

# To clean, pre-process, and prepare raw data for analysis and modelling, including data wrangling, feature extraction, and transformation.

# To train machine learning models using appropriate algorithms and methodologies, considering factors such as model performance, accuracy, and scalability.

# To deploy machine learning models into production environments, ensuring scalability, reliability, and performance.

# To monitor model performance and behaviour in production, detecting and addressing issues such as data drift, model degradation, or algorithm bias.

# To communicate technical concepts, methodologies, and findings to non-technical stakeholders in a clear and understandable manner.

# To conduct research and experimentation to explore new techniques, algorithms, or approaches that could benefit the organization or improve existing processes.

# To ensure the ethical and responsible use of artificial intelligence technologies, considering factors such as fairness, transparency, accountability, and privacy.

Visiting Lecturer

January 2023 - Present (1 year 8 months)

Hatfield, England, United Kingdom

### Senior Software Engineer

December 2020 - January 2023 (2 years 2 months)

Hatfield, England, United Kingdom

- To act as the key responsible person for the timely and effective data assembly, management and analysis of large-scale data sets.
- To act as the key responsible person for developing projects digital application tools including the app, the visualization platform, and the information-sharing platform.
- To act as the key responsible person for the timely drafting of academic papers along with interim and final reports on the progress of the work.
- To act as the key responsible person for the timely presentation of results to a variety of audiences including research funders, academics, and policymakers, at seminars, national and international conferences.
- Have joint authorship of academic papers from your research, which will be published in leading international journals.
- To take an active part in the academic life of the School through participation in seminars and other events as as may be required by the Dean or Associate Dean (Research).

### Big Data Engineer

October 2019 - November 2020 (1 year 2 months)

Hatfield, England, United Kingdom

Big Data Technologies and Innovation Lab, University of Hertfordshire, UK.

### Code First Girls

#### Data Engineering Lead

July 2023 - Present (1 year 2 months)

Greater London, England, United Kingdom

### Venture Garden Group

2 years 4 months

#### Senior Software Engineer Team Lead

March 2019 - October 2019 (8 months)

## Vibranium Valley

### Software Engineer

July 2017 - February 2019 (1 year 8 months)

## Vibranium Valley

1. Participate in every stage of feature development from design and brainstorming through feature implementation, including fixing that last critical bug under a tight release deadline.
2. Work as part of a dynamic team collaborating closely with other developers, developers' teams and product marketing.
3. Review requirements and provide input.
4. Create functional specifications and designs.
5. Implement major features from scratch.
6. Create unit tests for features.
7. Work with QA to ensure quality of the feature.
8. Contribute to design and overall product architecture.

### Technology Stack

# Languages: Java, C#, Python, Javascript.

# Tools: Visual Studio, Android Studio.

# Database: MS SQL, SQL Lite, MongoDB, Elasticsearch.

# Build tools: Gradle, Maven, Ant, MS Build.

# CI/CD Solutions: SVN, Go, Jenkins, Docker, Vagrant, Chef, CruiseControl.NET

# Frameworks: Angular, .NET Framework, SignalR, REST API, ASP MVC, Nhibernate, JQuery.

# Mobile: Java, Android Framework, Volley, D3.

# Testing: Selenium, NUnit.

# UX Design: HTML5, Bootstrap 3.0, CSS, Javascript, Photoshop, Fireworks, Dreamweaver, Web Matrix.

FinTrak Software Co. Ltd

## Software Engineer

March 2016 - June 2017 (1 year 4 months)

Lagos, Nigeria.

I worked towards fulfillment of the company's Core Banking, Data Warehousing & Business Intelligence Solutions and other IT related engagements.

## Wallz and Queen Limited

### Software Engineer

July 2015 - February 2016 (8 months)

Lagos, Nigeria.

I basically designed, developed, released and operated new and existing IT services on behalf of the company, enhancing its IT service portfolio through constant innovation and continual service improvement.

## Sterling Bank Plc

### Software Developer Internship

July 2012 - January 2013 (7 months)

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## Education

### University of Hertfordshire

Doctor of Philosophy - PhD, Applied Artificial Intelligence

### African University of Science and Technology

Master's degree, Computer Science

### University of Ibadan

Bachelor of Science (B.S.c), Computer Science