**Joseph Nkumah**

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**Profile**

A dedicated and enthusiastic MSc student in Advanced Computer Science. With significant employment and voluntary experience. I can work to a very high standard using my own initiative or as part of the team. Ability to communicate with a variety of people and manage them with my leadership skills.

**Education & Qualifications**

Liverpool Hope University, England January 2022 - Present

**MSc Advanced Computer Science**

Cardiff Metropolitan University, Wales 2017- 2019

**MSc Sports Performance Analysis (Analytics)**

* Developed the ability to integrate software systems with databases.
* Gained knowledge of software system principles.
* Development of writing skills and methodologies through reporting research essays.
* Used sport professional software Nacsport and Sport code to collect sport data for analysis.
* Developed programs and analyzed data using MATLAB.
* Utilized Excel and Tableau for visualization.
* Used SPSS to develop models and predict outcomes.
* Used UCINET and SOCNETV to conduct social network analysis experiments.
* Dissertation project topic: Network Analysis of the top four teams in the English Premier League.

Bingham University, Nigeria 2011-2015

**BSc Computer Science (2.1)**

* Dissertation topic: Web Development of a School Football Team.
* Developed the ability to create programs with programming languages such as QBasic, Java and C++.
* Designed and managed websites using HTML, PHP, and MySQL.

**Employment**

**Web/Software Development Instructor (Part-time)**  July 2021 - December 2021 AfriHub, Global Learning Centre

* Train students on the fundamentals and advanced Python programming language.
* Guide students on software projects in Python, Database Design and Development, and SQL
* Teach students how to use Object Oriented Programming (OOP) in Python.
* Teach programming languages such as HTML, CSS and Javascript and SQL.

**Web Developer**  March 2021 - December 2021 Luday

* Use React framework to build front-end web applications.
* Develop cross-platform responsive front-end websites using HTML, CSS, Bootstrap and JavaScript.
* Engineer back-end of web applications with Django/Laravel.
* Host web applications on Amazon Web Services.
* Use package managers such as Composer and NPM.
* Use version control through git and BitBucket.
* Implement Agile method to work as a team to develop web and mobile solutions for customers.

**Web/Software Development Instructor(Part-time)**  March 2021- May 2021 El Academy

* Train students on Python programming language.
* Prepare assessments for improving students’ knowledge.
* Relay knowledge of modern programming practices such as Object Oriented Programming (OOP).
* Teach programming languages such as HTML, CSS and Javascript.

**Web/Software Development Instructor**  November 2020-January 2021

El Academy

* Training and preparing students for internship in El Academy.
* Solve complex problems using Python programming language.
* Relay knowledge of front end and back end development tools to develop individuals in web development.
* Teach programming languages such as HTML, CSS, Javascript, PHP and Python to students and develop or improve their programming skills.

**Data Scientist (Intern)**  July 2020-August 2020

Hash Analytic, United Kingdom.

* Manage master data set, develop reports, and troubleshoot data issues.
* Remote work with data science professionals to understand data, develop models and predict outcomes.
* Analysis of data to answer complicated questions from data provided.
* Using Python and Tableau to visualize data for excellent presentation.
* Using Machine Learning techniques to train and test models for best fit.

**Data Scientist (Intern)**  June 2020-September 2020

DataLab, Nigeria.

* Collected, interpreted & analyzed data to generate insights and forecast based on trends.
* Built algorithms, design experiments, and analyze data to drive optimization and improvement of product development, marketing techniques, and business strategies.
* Assessed the effectiveness and accuracy of new data sources and data gathering techniques.
* Used machine learning tools, predictive modeling, and statistical techniques to produce solutions to problems and optimize business outcomes.
* Identified patterns and trends in data sets.

**Software Engineer (Intern)**  January 2020-April 2020

NanoMatriX, Hong Kong.

* Assisted in designing and developing high-quality interactive UI for mobile and desktop users.
* Assisted in the developing web and mobile applications.
* Communicated with designers and sales to meet content and functional requirements.
* Program, application testing and implementation.
* Applied and improved best practices in coding and documentation for quality assurance.
* Prepared system documentation and conduct program performance tests to assure optimal
* performance across multiple browsers and operating systems.
* Used AWS services to develop models, train data and carry out deployment.

**Assistant lecturer** 2015-2016

Federal College of Education (Technical), Nigeria.

* Awarded the Certificate of National Youth Service Corps (NYSC).
* Served as assistant lecturer and taught computer science to students.
* Assisted colleagues with the preparation of test and examination papers.
* Invigilated examinations and was given the responsibility of marking assignments, tests and examination scripts.
* Assisted the Computer Science Head of Department with projects for the faculty.

**Equipment Supervisor** 2014

Capital FM, 92.9, Nigeria

* A six-month internship at a radio station in my third year of university.
* Given responsibility to supervise equipment used for transmitting signals.
* Assisted colleagues in developing a website for the radio station.

**Voluntary Work**

**Head Coach** 2017-2019

Cardiff Metropolitan University International Football Team, Wales

* Developed the ability to be a leader as I organize training schedules and prepare the team for games.
* Given the responsibility to coach the International football team of Cardiff Metropolitan University.
* Improvised training drills and programs to aid the team’s development.
* Motivated players to improve individually and as a team.

References available on request.