DAVID IDOWU

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A computer science student seeking opportunities in Technology. I am experienced in programming as well as leadership and communication skills.

## EDUCATION

**Loughborough University October 2021 - Present**

BSc in Computer Science

* Predicted First class.

**Little Heath Sixth Form Sept 2019 – June 2021**

* Advanced Level grades: Mathematics (A), Computer Science (A), Extended project Qualification (A), Physics (B)

## EMPLOYMENT EXPERIENCE

**Roche Data science Placement June 2023 - Present**

* Intern in the TechX team.
* Worked on Projects using R, R-shiny and SAS to process client data.
* Worked alongside statisticians and data delivery scientists to automate their work.
* Developed Libraries and packages used in collection and processing data.

**PwC Digital Insight Programme July 2020**

* Learnt the core values of PwC.
* Gained experience in Learning how encoding and decoding works in Cybersecurity.
* Learnt how AI is being used in an office system and the possible opportunities in the future.

**In2Science UK Summer Internship August 2020**

* In2science is a charity organization that aims to increase diversity in STEM.
* Learnt about Machine Learning in AI, which inspired me to make a chatbot for my A levels Computer Science project.
* Learnt about AI being used in the Health Sector to detect Cancer.
* Python programming

## CORE SKILLS

* **Programming:** Python, R, Java, JavaScript, PHP, SQL, React, Next.js, Rest API, Firebase, AJAX, Gitlab, C++, Haskell.
* **Leadership:** President of a University’s society (IGNITE).
* **Teamwork:** Having worked part time jobs such as McDonald’s and Waitrose, I can say I am good at working with a team.
* **Independent Learning:**  From voluntarily enrolling in online courses as well as working on projects besides my university curriculum.

## PROJECTS AND ACHIEVEMENTS

**UKMT Silver Certificate February 2021**

* I achieved a silver certificate for the UKMT Senior level Mathematics competition. UKMT is a mathematics competition given to schools around the UK once a year.

**MIKROTIK CERTIFICATE** **February 2018**

* Mikrotik is a network equipment manufacturer that develops and sells wireless network routers.
* I enrolled for a course here in 2018 and was awarded with a certificate after I passed the exam in distinctions.

**Productivity Management System |** Express.js, JavaScript, HTML, CSS, Restful API, PHP, React, Next.js

* Developed a full stack Productivity Management web application which consisted of online chat system for the company and a data analysis tool to display workers productivity.
* Implemented this with Rest API and Agile method for system development.
* Utilised PHP for database management.
* Utilised Bootstrap for aesthetic styling.
* For another part I made use of React and Next.js to expand my skills.

**Healthcare Chatbot |** Python, NLTK, TensorFlow, NumPy

* Made a basic healthcare chatbot for my A levels project. This involved using libraries which I had never used before, including NLTK for natural language processing as well as TensorFlow for machine learning.

**Weather Prediction Artificial Neural Network |** Python, NumPy, Machine Learning, ANN

* Implemented a Multi-Layer Perceptron neural network in Python for target value prediction based on input features. Performed forward and backward passes for training, updating weights and biases.
* Implemented extensions such as Annealing, Weight decay and Momentum.
* Implemented Graphs using Matplotlib for data visualization.

**Fitness App** | Java, Firebase, Android Studio, Google Fitness and Map API, SQL

* Developed a gym app using Java and Android studio.
* Implemented features such as search for gyms nearby, step count and creating gym routines.
* Implemented Alarm features and a user guide which used HTML and CSS.
* Made use of Firebase for user authentication and saving user workouts and details.
* Implemented recommendations for exercises and stored workouts using Local database.

## HOBBIES AND INTERESTS

* During my time outside of school, I enjoy going to the gym.
* I blog and read to keep myself updated on emerging technologies.

## REFERENCE

Available upon request.