

JOSHUA AKINGBADE

Hampshire, United Kingdom

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Education

University of Warwick

Master of Engineering in Computer Science.

September 2020 – June 2024

Coventry, England

Peter Symonds College

Advanced Level

September 2018 – July 2020

Winchester, Hampshire

- Mathematics (A*), Further Mathematics (A*), Physics (A*) and Computer Science (A)

Emerald High School

International GCSEs.

September 2012 – July 2018

Lagos, Nigeria

- 6 A*, 1 A: including Mathematics (A*) and English (A*)

Work Experience

WMG, University of Warwick

Summer Pedagogical Research Intern

July 2021 – September 2021

Coventry, England

- Wrote a research paper on the use of Code Snippets to teach coding concepts.
- Analysed and critiqued popular teaching resources to create guidelines for using snippets to teach individuals programming.
- Built projects in Python and C++ as deliverables using the reviewed tutorial materials.

NextCounsel

Web Development Intern

July 2018 – August 2018

Lagos, Nigeria

- Designed and developed mobile-first responsive sites using Bootstrap.
- Used HTML and CSS to solidify my understanding of the rubrics of front-end web development.
- Collaborated with team members using version control systems in order to organize tasks and updates to files.

Projects

Music Recommender | *Python, Jupyter*

September 2021

- Designed a program which utilised Machine Learning to accurately recommend music genres.
- Used a decision tree algorithm to analyse and learn existing patterns in the input data and build an appropriate model.
- Implemented the model in making predictions and recommending genres depending on the queried age and gender.

Restaurant Information Web Application | *Java, VSCode*

April 2021

- Designed and programmed methods as well as implemented all data structures used in the back-end of the application.
- Developed efficient algorithms to ensure the load and run times of the website were optimal.
- Built robust tests to help catch and correct unwanted behaviour during development.
- Wrote a report outlining the functionality of key methods alongside their time and space complexities.

Maze Robot Controller | *Java, Sublime Text*

November 2020

- Created a controller for a maze robot that utilized an API to guide the robot to the maze's target.
- Built a decision making algorithm which made use of the robot's location and immediate surroundings.
- Developed and carried out tests to assist in the removal of bugs and unwanted behaviours when traversing the maze.

Technical Skills

Languages: Java, C/C++, Python, HTML, CSS, Delphi, Haskell

Developer Tools: VS Code, Sublime Text, Atom

Technologies/Frameworks: GitHub, Command Line, Linux

Leadership / Extracurricular

Nigerian Society

Fresher's Representative

October 2020 – April 2021

University of Warwick

- Assisted in the daily organising of the society's activities through collaboration with other society executives.
- Liaised with the first year students of the society to ensure their needs were properly represented and catered to.
- Planned and coordinated virtual activities, maintaining fresher's engagement through-out the lockdown.