

MUSTAPHA ABDULLAHI

London, United Kingdom

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🌐 <https://mustious.github.io>

🌐 [Mustapha Abdullahi](#)

RESEARCH INTERESTS

Machine Learning, Reinforcement Learning, and Robotics

EDUCATION

Queen Mary University of London

MSc Artificial Intelligence [Computer Vision and Robotics]

Oct. 2022 - Sept. 2023 (Expected)

London, U.K.

Ahmadu Bello University

Bachelor of Engineering in Computer Engineering - CGPA: 4.90/5.00

Oct. 2015 - Nov. 2021

Zaria, Nigeria

WORK EXPERIENCE

Play4Work

Chatbot Developer

Feb. 2021 - Mar. 2022

Canada(Remote)

- Collaborated with a team of 5 to design conversation mappings required to build an interactive chatbot reducing 60% of company's workload of candidate's job matching.

Huawei

Big Data/Cloud Intern

Jan. 2020 - Feb. 2020

Lagos, Nigeria

- Performed Data Analysis of Smart IoV solution with over 400,000 data points utilizing HiveQL for offline analysis, Apache HBase for real-time query and retrieval and Spark-SQL to migrate the offline analysis service.

SELECTED PROJECTS

Evolving AlexNet CNN Maize Plant Disease Classification (Paper) [Ongoing] July 2021 to Present

- We propose a modified Binary Particle Swarm Optimisation (BPSO) algorithm to optimize the structure of the fully connected (FC) layers of CNNs.

iGlass

Apr. 2020 - October. 2021

- Spearheaded the development a smart assistive device for the visually impaired for reading out text, object detection, scene description, etc. using Raspberry Pi, AWS Rekognition, and Google cloud AI.

SELECTED AWARDS

- Best Graduating Engineering Student in Nigeria, NSE (Nigerian Society of Engineers) - Dec. 2022
- Google DeepMind Scholarship Recipient 2022/2023 - Aug. 2022
- QuantumBlack/Office of AI Scholarship Recipient 2022/2023 - Aug. 2022
- Best ICT Competition Instructor, Huawei ICT Competition Sub-Saharan Africa - Apr. 2022
- Grand Prize Winner, Huawei ICT Competition Global Final - Cloud Track - Nov. 2020

PUBLICATIONS

- [1] Mustapha, A.J., *An Artificial Intelligence of Things (AIOT) based Assistive Smart Glass for the Visually Impaired*. [Poster Presentation]. Department of Computer Engineering, Ahmadu Bello University, Nigeria. [🔗](#)

VOLUNTEERING

2023 IEEE International Conference on Robotics and Automation (ICRA)

Volunteer

May, 2023

London, U.K.

Arewa Data Science Academy

Mentor

Feb. 2023 - Present

Nigeria

Kada Hive Innovation and Tech Hub

Robotics Instructor - Play Tech Kids Programme

May 2022

Zaria, Nigeria

Ahmadu Bello University

Tutor - Control Engineering (COEN303, COEN407, COEN507)

Feb. 2018 – Apr. 2021

Zaria, Nigeria

HOBBIES

Watching anime; playing football; talks about AI and the future