

OJEWALE VICTOR

vikingdavid41@gmail.com

<https://medium.com/@elVictor01> <https://github.com/Elvictor01>

EDUCATION

2015 – 2020 BSc. Computer Science
University of Ibadan, Ibadan, Nigeria.

RESEARCH EXPERIENCE

2021 – Pres. **Lead Investigator**
Project Title: Explainable Image Classification for Nigerian Sign Language
Project Status: In progress/Review
Advisor: Dr. Taiwo Togun, Ph.D., Visiting Scientist, Brown University
Synopsis: To evaluate the accuracy of video frame prediction of Nigerian Sign Language Predictions with thorough post hoc explainability methods.
Duties: Reviewed relevant literature, co-wrote paper draft for submission.

2021 – Pres. **Research Assistant**
Project Title: AI's Perception of Fairness
Project Status: In progress
Advisor: Dr.C. Malik Boykin, Ph.D., Assistant Prof., Brown University
Synopsis: To understand perceptions of Algorithmic Fairness in Real Life Situations
Duties: Software testing of psychology research software that captures users' preferences of different performance metrics of ML algorithms, participates in Integration of new functionalities to the codebase

2021 – Pres. **Research Assistant**
Project Title: Investigating Gut Microbiome of Pregnant for the mitigation of Gestational Diabetes Mellitus(GDM)
Project Status: In progress
Advisor: Dr. Taiwo Togun, Ph.D., Visiting Scientist, Brown University
Synopsis: To determine the abundance of bacterial species that are peculiar to pregnant women with GDM
Duties: Building pipeline for the end-to-end analysis of samples from sequence reads to taxonomic classifications including quality filtering and other downstream tasks.

2019 – 2020. **Lead Investigator**
Project Title: A web-based Implementation of Hostel Management System: Using Nnamdi Azikwe Hostel, the University of Ibadan as a Case Study.
Project Status: Completed
Advisor: Dr. I. T. Ayorinde, Head of Department, Dept. of Computer Science, University of Ibadan.

Synopsis: To design a model for a web-based hostel management system, develop a system that reduces to the barest minimum the inadequacies of file processing in the hostels and developing a system that ensures efficient allocation of bed spaces.

Duties: Reviewed relevant literature, built system architecture for implementation, implemented code for demonstration of the working system.

MANUSCRIPT IN REVIEW&IN PREPARATION

Ojewale, V., Kolawole, S., Taiwo, T. Explainable Image Classification of Nigerian Sign Language
Under review at Black in AI Workshop, 35th Conference on Neural Information Processing Systems (NeurIPS)

HONOURS, AWARDS & RECOGNITION

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| 2020 | Winner, “Can you hack the Future” Ideathon
Provided a value oriented solution to the problem of motorcycle ride hailing in Lagos that included predictive pooling of rides, anomaly detection/response, Intelligent Directions and some other use cases.
<u>Rank:</u> 1 out of 40 teams. |
| 2020 | Winner, Best Problem Documentation (AI Commons Health Hackathon)
Drafted a concise problem documentation that was then used to implement Hackathon Solutions(AI Commons/Data Science Nigeria) with my team members
<u>Rank:</u> 1 out of 10 teams. |
| 2020 | Participant, Zindi UmojaHack Campus Data Science Hackathon
Representative of University of Ibadan at UmojaHack Africa Data Science Competition.
<u>Success rate:</u> Top 10% |
| 2019 | Nomination as Programmer of the Year (Final Year Category)
National Association of Computer Science Students, NACOSS, University of Ibadan Chapter. |

WORK EXPERIENCE

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|-----------------|---|
| Nov 2020 - Pres | Data Scientist - SeqHub Analytics LLC, CT, USA
Leads the Technical team in Nigeria, development of In-house Summarisation Engine for PDFs with BERT, involved in implementing MongoDB backend for emotional analytics pipeline, Worked on new capabilities for the company’s flagship conversational AI agent for assisting Teachers in reallocating 20 – 40% of administrative time to activities that directly support the student. |
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- Jul 2020 - Nov 2020 **Data Science Intern - SeqHub Analytics LLC, CT, USA**
 • Contributed to internal software development projects with machine learning integrations in the context of Natural Language Processing(NLP). • Introduced to Genomic Data Science with qiime2 for microbiome analysis.
- Oct 2019 -Mar 2019 **Student Intern**
Information Technology Unit, College of Medicine, University of Ibadan
 • I worked to maintain the institution’s website using HTML, CSS, javascript, and PHP. • Assisted clients in solving computer-related issues and software fixes in the help desk unit. • Participated in Software Requirements Gathering for in-house built software from the finance unit.

VOLUNTEERING & COMMUNITY SERVICES

- 2021 **Machine Learning Tutor**
Organization: AI Invasion 2021, Data Science Nigeria
 Duties: Facilitated classes for 5 days of full machine learning immersion at the University of Osun.
Attendance: 150 participants
- 2020 **Community Facilitator**
Organization:Artificial Intelligence Plus, University of Ibadan.
 Duties: Evangelized AI and facilitated multiple Python and ML training for the community
- 2020 **Major League Hacking(Mentor/Judge)**
 Serving as a mentor/judge for the weekly hackathons held by the Major League Hacking(MLH) international community.
- 2019/2020 **National Association of Computer Science Students House of Representative**
University of Ibadan, Ibadan City, Oyo, Nigeria
 • Served on committees overseeing departmental policies with regards to students. • Collaborated with faculty and students to enhance educational and social environments.
- 2019 **Alagbagba Summer School for the Less Privileged**
The Youth Forum, ACM, Ibadan
 • Taught music classes to students in a rural settlement for continuous education purposes. • Assisted in providing supervision of the student class segmentations.

TECHNICAL STRENGTHS

Machine Learning: Scikit-Learn, TensorFlow, Pytorch, OpenCV, NLTK, DialogFlow

BioInformatics: qiime2

Data Science: SQL, Pandas, Matplotlib, Seaborn, Plotly, Tableau, Streamlit

Software Engineering: Flask, React, Laravel, Linux, SQL, Docker, CI/CD

Others: Open-Source Development, Web Scraping, Cloud Computing with GCP and AWS

INDEPENDENT COURSEWORK

Deep Learning Specialization - Deeplearning.ai

Introduction to Applied Machine Learning-Alberta Machine Learning Institute

Introduction to TensorFlow for Artificial Intelligence, ML and DL - Deeplearning.ai

PROFESSIONAL & ACADEMIC AFFILIATIONS

Tokyo Data Science

Black in AI

Masakhane NLP Group

MLCollective Research Group

Data Science Nigeria

REFERENCES

References available upon request.