Ahmed O. Baruwa

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EDUCATION

University of Oregon — September 2021 – June 2023
MS in Computer and Information Science
Focusing on Data mining and Artificial Intelligence

Obafemi Awolowo University — September 2013 – April 2018
B.S in Electrical Engineering
Course Work includes Programming languages, Operating Systems, Intelligent Control, Advanced Probability Theory, Linear Algebra, Digital Systems, Calculus I, II, III.

WORK EXPERIENCE

Graduate Research Assistant — October 2020 – Present
University of Oregon
- Machine Learning for automated 3D body Anthropometry.
- RobustML- Reverse Engineering Adversarially constructed Text

Machine Learning Engineering Intern — July 2020 – October 2020
InstaDeep AI, London, United Kingdom
- Empirical Analysis of model compression techniques in Chatbots

Research Intern — January 2020 – April 2020
Data Duality Labs, Lagos, Nigeria
- Scraped and digitized 4K parliamentary bills using Image Recognition for flexible law enactment information dissemination on the web.
- Wrote an end-to-end Optical Character Recognition (OCR) tool in PyTorch for complete digitization of blurred parliamentary bills.

Data Science Intern — April 2019 – January 2020
KPMG, Victoria Island, Lagos, Nigeria
- Wrote an end-to-end "speech2text" API for a speech sentiment classification system.
- Built ETL tools for analyzing financial data collected on spreadsheets
- Designed interactive dashboards for remote monitoring of data from user activity in commercial entities.

TEACHING EXPERIENCE

Laboratory Grader — July 2018 – Oct 2018
Fundamentals of Electrical Engineering Laboratory I (EEE 291)
- Selected and recognized among top 10% students in my program.
- Participated in grading Laboratory Reports and got monetary rewards for it.

Laboratory Grader — Jan 2019 – March 2019
Fundamentals of Electrical Engineering Laboratory II (EEE 292)
- Selected and recognized among top 10% students in my program and;
- Participated in grading Laboratory Reports and got monetary rewards for it.

LEADERSHIP ACTIVITES

Co-founder, Data Science Nigeria (DSN), Ife Chapter.

- Organized Hackathons and Tutorials for Aspiring Student Programmers in colleges.

AWARDS AND HONORS	**Petroleum Tertiary Development Fund (PTDF) Scholarship** 2015 – 2018

AWARDS AND HONORS

Petroleum Tertiary Development Fund (PTDF) Scholarship 2015 – 2018
- Covered full tuition and monthly stipends
- Selected for being among top 3% of entire Faculty of Engineering

First Place: Data Science Competition October 2018
(https://www.kaggle.com/c/dsn2018intercampus/leaderboard)

INVITED TALKS

Demystifying Reinforcement Learning and Understanding its Applications August 2020
Ladoke Akintola University of Technology (LAUTECH)

Hyperparameter Optimization in Machine learning Modeling December 2018
Obafemi Awolowo University (OAU)

CONFERENCES ATTENDED

International Conference on Machine Learning (ICML) July 2020
Participated in the conference and several of its workshops majorly focusing on Reinforcement Learning, Natural Language Processing, AI for Healthcare.

European Chapter Association of Computational Lingustics(EACL) Feb 2021
Oral Paper presentation: Ìtàkúròso: DialoGPT for Natural Language Generation of Yorùbá Dialog

PUBLICATIONS Quality at a Glance: An Audit of Web-Crawled Multilingual Datasets March 2021
In proceedings of EACL 2021

SOFTWARE SKILLS

Coding: Python (NumPy, SciPy, Pandas), C, MATLAB, Julia
Machine Learning: PyTorch, TensorFlow, Trax, scikit-learn
Visualization: Matplotlib, Seaborn, PowerBI