

Wisdom O. Ikezogwo

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| CONTACT INFORMATION | +(234) 908-3206-640 — wisdom.ikezogwo@student.oauife.edu.ng — wisdomikezogwo.github.io | | |
| RESEARCH INTERESTS | Computer vision, Medical image analysis, Representation learning, Control theory, Computational neuroscience, Robotics. | | |
| EDUCATION | Obafemi Awolowo University , Ile-Ife, Nigeria 2015-2019 B.Sc. Electronic & Electrical Engr. — GPA 4.73/5.00 — Top 2 in class of 120. <ul style="list-style-type: none">• Dissertation Topic: “Development of an application for combining disparate EEG seizure datasets into a single dataset” — Supervisor: Dr. Kayode P. Ayodele IBRO-SIMONS Computational Neuroscience Summer School , Cape-Town, South Africa January, 2020 <ul style="list-style-type: none">• Projects: “Putting attention into convolutional neural network.” and “Exploring convolutional neural network classification of non-image data” | | |
| HONORS AND AWARDS | IBRO-Simons Computational neuroscience Summer School travel grant, Cape Town. | 2020 | |
| | Prof. L.O. Kehinde prize for the Best Graduating Student in the Instrumentation and Control option, OAU Ile-Ife, Nigeria. | 2019 | |
| | Pa Simeon Ladipo Oyebolu & Mrs Emily Olabopo Oyebolu prize for Best Male Graduating Student, OAU Ile-Ife, Nigeria. | 2019 | |
| | Federal Government Scholarship Award, Nigeria. — value: \$1500 | 2017-2019 | |
| | Total/NNPC National Merit Scholarship. — value: \$1500 | 2016-2019 | |
| | Etisalat Nigeria Merit Scholarship. — value: \$250 | 2015 | |
| PUBLICATIONS | Ayodele, K. P., W. O. Ikezogwo , M. A. Komolafe, and Philip Ogunbona. 2020. “Supervised domain generalization for integration of disparate scalp EEG datasets for automatic epileptic seizure detection.” <i>Computers in Biology and Medicine</i> 120: 103757. | | |
| | Ayodele, K. P., W. O. Ikezogwo , and A. A. Osuntuyi. (in press) “Empirical Characterization of the Temporal Dynamics of EEG Spectral Components.” <i>International Journal of Online and Biomedical Engineering (IJOE)</i> . | | |
| PAPERS IN PREPARATION | Ayodele, K. P., W. O. Ikezogwo , and A. Baruwa. “If you must reduce your EEG datapoint dimensions before training step consider thinking of the dynamics.” | | |
| CONFERENCES | International Conference on Machine Learning (ICML) [Virtual] | 2020 | |
| | <ul style="list-style-type: none">• Participated in the conference and several of its workshops on health care majorly focusing on Model interpretability, Explainability, Clinician-in-the-loop and Domain shift. | | |
| ACADEMIC EXPERIENCE | Obafemi Awolowo University , Ile-Ife, Osun Nigeria Research Assistant — <i>Biosignal Processing, Inst. and Control Lab</i> March, 2018 - present <ul style="list-style-type: none">• Worked on embedded systems for Brain-computer Interfacing (BCI)• Research into data integration process for disparate multivariate time series datasets, and testing for properties spectral components of said data. | | |

- Working on using Artificial neural networks to determine/ classify various brain signals and interface with a mechanical hand glove for rehabilitation of stroke victims.

Teaching Assistant

April - August, 2019

Co-taught 2nd year undergraduate level course in Fundamentals of Electronic & Electrical Engineering. Responsible for recitation classes, quiz, homework assignments and continuous assessments grades for over 90 students.

- EEE 203/201: Fundamentals of Electronic & Electrical Engr., First Semester 2019.

Co-Instructor

April - August, 2017

Outreach lectures covering basic robotics, structure building and lab sessions. Shared responsibility for lecture sessions and outreach proposals to high schools and colleges.

PROFESSIONAL EXPERIENCE

Okra, Inc., Lagos, Nigeria.

Data Scientist / ML Engineer

October, 2020 - Present

Working on Transformer models for named entity recognition as well as other natural language tasks, all in effort to meet clients need and offer services as an API which include Predicted Income, Identity, and reconciliations.

Demz Analytics Limited, Lagos, Nigeria.

Data Scientist / ML Engineer

October, 2019 - October 2020

Developing various models, and systems from data processing model to recommendation systems leveraging transformer models and epsilon-greedy bandit strategy, Deploying these into production servers as well.

ipNX Nigeria Limited, Lagos, Nigeria

Research systems and architecture Intern

September, 2017 - February, 2018

Worked on provisioning servers for development, understanding the Systems architecture in production, and creating test environment on Virtual machines for testing.

PROGRAMMING LANGUAGES

- Packages: Pytorch, Numpy, OpenCV, Rpy2.
- Computer Languages: Python, Bash (Slurm), SQL.
- Hardware Languages: Arduino C, LEGO, Tetrix.
- Software: Docker, Singularity(on High-Performance Computing resource)
- Human Languages: English (native), Igbo (native), Yoruba (Fluent), Pidgin (Fluent).

EXTRACURRICULAR

- Basketball — Red Cross Volunteering — Writing (Newsletters, Music)

STANDARDIZED TESTS

- GRE: 320 (Q:165, V:155)
- TOEFL: 106 (R:26, L:30, S:23, W:27)

REFERENCES

Dr. Kayode Ayodele
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Obafemi Awolowo Univ.
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—Supervisor/PI—

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Prof. Tim P. Vogels
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