

Wisdom O. Ikezogwo

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 2013-2019 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. — cumm. value: \$1500	2017-2019	
	Total/NNPC National Merit Scholarship. — cumm. value: \$1500	2016-2019	
	Etisalat Nigeria Merit Scholarship. — value: \$250	2015	
PUBLICATIONS	K. P. Ayodele, 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. K. P. Ayodele, 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	K. P. Ayodele, 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.
PRESENTATIONS	Black In Neuro Mini-Conference (BIN2020) [Virtual]	2020	<ul style="list-style-type: none">• Oral presentation — K. P. Ayodele, 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.”

ACADEMIC EXPERIENCE	Obafemi Awolowo University , Ile-Ife, Osun Nigeria	
	Research Assistant — <i>Biosignal Processing, Inst. and Control Lab</i>	March, 2017 - 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 for classification tasks on brain EEG signals and research into the robustness of clinically deployable models. 	
	Teaching Assistant	April - August, 2019
PROFESSIONAL EXPERIENCE	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 within EEE and ~ 650 student within the faculty.	
	<ul style="list-style-type: none"> • EEE 203/201: Fundamentals of Electronic & Electrical Engr., Rain 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.	
SOFTWARE PROGRAMMING & LANGUAGES	Okra, Inc. , Lagos, Nigeria.	
	<i>Data Scientist / ML Engineer</i>	October, 2020 - Present
	Working on Transformer models for named entity recognition and other natural language tasks, that feed into services as an API which include Predicted Income, Spending pattern and Reconciliations.	
	Demz Analytics Limited , Lagos, Nigeria.	October, 2019 - October 2020
EXTRACURRICULAR	<i>Data Scientist / ML Engineer</i>	
	Developing various models, and systems from data processing model to recommendation systems leveraging transformer models and epsilon-greedy bandit strategy, Deploying these into production.	
	<ul style="list-style-type: none"> • Computer Languages: Python, Bash (Slurm), SQL. • Software: Pytorch, Numpy, OpenCV, Docker, Singularity(on HPC resource) • Human Languages: English (native), Igbo (native), Yoruba (Fluent), Pidgin (Fluent). 	
	<ul style="list-style-type: none"> • Basketball — Red Cross Volunteering — Writing (Newsletters, Music) 	
SOCIETIES	<ul style="list-style-type: none"> • Black in AI (BAI), Black in Neuro (BIN), IEEE, EducationUSA-Abuja 	
TESTS	<ul style="list-style-type: none"> • GRE: 320 (Q:165, V:155) — TOEFL: 106 (R:26, L:30, S:23, W:27) 	
LEADERSHIP	Librarian, Dept of Elect. & Elect Engr. OAU	May, 2017 - May, 2018
REFERENCES	Dr. Kayode Ayodele	
	Electronic and Electrical Engr.	
	Obafemi Awolowo Univ.	
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	—Supervisor/PI—	
	Dr. Anthony Osuntuyi	
	Mathematics	
	Obafemi Awolowo Univ.	
	ayokunle.osuntuyi@unive.it	
	Prof. Tim P. Vogels	
	Neuroscience	
	Institute for Science and Technology, Austria.	
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	Dr. Osama Ahmed	
	Princeton Neuroscience Institute	
	Princeton University	
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