OLUWADEWALADE ADEBIYI ADE-ONOJOBI

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EDUCATION

2014 – 2019   BSc. Physics with Honors
University of Ibadan, Nigeria
CGPA: 5.2/7.0
Research Project: Measurement and Analysis of Radon Concentration levels of Select Groundwater Systems within the University of Ibadan
Advisor: Prof. Idowu P. Farai
Work:https://drive.google.com/file/d/1JNhTf5P-A0yNfoaf-K-6LLy4fEPeFonQ/view?usp=sharing

2010 – 2013   West African Examinations Council (WAEC)
Babcock University High School, Ilishan-Remo, Ogun, Nigeria

2007 – 2010   Junior Secondary Certificate Examination (JSCE)
Christ the Redeemers College, Christhill, Sagamu, Ogun, Nigeria

RESEARCH INTERESTS

Data Privacy and User Data Control, Secure Quantum Communications, Machine Learning, Artificial Intelligence, Secure Software Engineering, and Cyber Autonomy and Automation

RESEARCH EXPERIENCE

2021   **Research Team member: Data Preparation Team**
Project Title: A.I. for Energy: Transitioning Toward a Sustainable Energy System in Nigeria
Project Status: Completed
Advisor: Opeyemi Adeniran
Synopsis: To find the best solar energy spots and sites that are most suitable for solar panel installation in Nigeria
Duties: Collected, consolidated, cleaned, and prepared the data, wrote python scripts for web scrapping, wrote python scripts for merging and cleaning the data.

2018 – 2019   **Research Assistant**
Project Title: Measurement and analysis of Radon concentration levels of select groundwater systems within the University of Ibadan.
Project Status: Completed
Advisor: Prof. Idowu P. Farai
Synopsis: To acquire data on the Radon concentration levels in groundwater sources in the University of Ibadan campus and assess its health implications on the community.

Duties: Collected and analyzed samples, reviewed the literature, wrote the research proposal, and assessed the data for a suitable conclusion.

PERSONAL PROJECTS

2021   Project Title: Hello-Chat Application
Project Status: Completed
Synopsis: To utilize the Javascript Programming Language build a functional chat application
Duties: Built the chat interface, Built the login and signup pages, Setup communication with the backend of the application.
Code:https://github.com/Dewalade1/hello-chat-app/archive/refs/heads/main.zip

2021   Project Title: Simple Calculator
Project Status: Completed
Synopsis: To utilize the Javascript Programming Language to build a fully functional basic calculator web application.
Duties: Built the user interface, implemented the calculator functions and operations.
Code:https://github.com/Dewalade1/simple-calculator-frontend/archive/refs/heads/main.zip
Link: https://simple-calculator-frontend.vercel.app

2020   Project Title: Exploring Hacker News Posts
Project Status: Completed
Synopsis: To analyze various posts (specifically the ASK HN and Show HN posts) on the Hacker News website to make some specific key decisions as regards the Hacker News Community.
Duties: acquired the dataset, performed exploratory analysis on the dataset, and drew a conclusion based on the exploration findings.
Code:https://drive.google.com/file/d/1dcurupYCMBT0zs6SAYOYsI3VTTlVi68Z/view?usp=sharing

2020   Project Title: Exploring eBay Car Sales
Project Status: Completed
Synopsis: To utilize Python programming language to analyze a dataset of used cars from eBay Kleinanzeigen to find out the best cars to purchase from the German eBay website.
Duties: acquired the dataset, performed exploratory analysis on the dataset, and drew a conclusion based on the exploration findings.
Code:https://drive.google.com/file/d/18W1JSI7xHUJDQuC2c9N1GBL727orBPPg/view?usp=sharing

2020	Project Title: Profitable app profiles for the app store and google play
	Project Status: Completed

Synopsis: To utilize Python programming language to analyze data in such a way as to show the developers the kind of apps (on Google Play and App Store) that would attract the users based on information drawn from the data.

Duties: acquired the dataset, performed exploratory analysis on the dataset, and drew a conclusion based on the exploration findings.

Code:https://drive.google.com/file/d/1nV0jZ9cZAGHUzD_TxqW_hhRS35aaqs1c/view?usp=sharing

2020   Project Title: Computer Pointer Controller

Project Status: Completed

Synopsis: Utilizes four pre-trained Computer Vision models in an inference pipeline to detect the user's gaze and move the computer's pointer accordingly.

Duties: acquired the pre-trained models, built the application and performed benchmarking tests and inference hotspot analysis on various precisions.

Code:https://github.com/Dewalade1/computer-pointer-controller/archive/refs/heads/master.zip

2020   Project Title: People Counter Application

Project Status: Completed

Synopsis: To build an application to count the number of people within a camera feed using Python Programming language.

Duties: built the application, incorporated an alarm to the application, set up application display statistics related to the people in the frame.

Code:https://github.com/Dewalade1/openvino-people-counter-app/archive/refs/heads/master.zip

2020   Project Title: Statistical Distributions Python Package

Project Status: Completed

Synopsis: To utilize Python programming language to build a python package for solving binomial and stochastic distribution problems.

Duties: built the package using Object Oriented Programming methods, tested the package, and uploaded the package to the Python Packaging Index.

Code:https://drive.google.com/file/d/1Zu17gh7Flf1K4oMCCremWbPCiJQ-vmWL/view?usp=sharing

AWARDS AND SCHOLARSHIPS

2018	Dean's Roll of Honor (Community Service Award)
2018	First Place (Python Programming Workshop Competition)

TEACHING EXPERIENCE

2018   **Robotics Instructor**
Bloomseed Elementary School (~10 students)
- Facilitated training sessions in programming prototype robotic cars using drag-and-drop programming software

2018   **Computer Programming Instructor**
Institute of Electrical and Electronics Engineering, University of Ibadan Chapter (7 students)
- Taught fundamentals of Programming with python, taught data structures and algorithms, facilitated programming exercises online and offline.

WORK EXPERIENCE

2021 – Present   **Frontend Software Engineer**
Blusalt Financial Services Limited
Responsibilities:
- Determined the structure and design of web applications.
- Ensured user experience determines the design choices of the web applications.
- Developed and tested features to enhance the user experience on all mobile and desktop devices.
- Ensured the design of web applications built is optimized for smartphones.
- Built reusable code for future use.
- Optimized web applications for maximum load speeds and scalability.
- Utilized a variety of markup languages to write and test web applications.
- Maintained brand consistency throughout the design of the web application.

2021   **Personal Assistant to the CEO**
Pearl Expeditors Limited
Responsibilities:
- Managed and organized meetings, and events for C-Suite executives.
- Compiled and Prepared reports, presentations, and correspondence for C-Suite executives.
- Liaised with staff, and clients as instructed by the CEO.
- Revamped the company's email system.

2020 – 2021	**Junior Frontend Software Developer**
	Ellopod Consulting
	Responsibilities:

- Ensured user experience determines the design choices of the web applications.
- Developed features to enhance the user experience on all mobile and desktop devices.
- Ensured the design of web applications built is optimized for smartphones.
- Built reusable code for future use.
- Optimized web applications for maximum load speeds and scalability.
- Utilized a variety of markup languages to write web applications.
- Deployed web applications to the internet using existing web deployment tools.

2019 – 2020	**Software Engineering Graduate Trainee**
	Wildreams Marketing Agency (Technology Department)
	Responsibilities:

- Ensured user experience determines the design choices of the web applications.
- Developed features to enhance the user experience on all mobile and desktop devices.
- Ensured the design of web applications built is optimized for smartphones.
- Built reusable code for future use using Javascript, HTML, and CSS.
- Optimized web applications for maximum load speeds and scalability.
- Utilized a variety of markup languages to write web applications.

2018	**Industrial Trainee**
	Nigerian Meteorological Agency (NIMET)
	Responsibilities:

- Investigated and recorded meteorological readings on an hourly basis at the synoptic laboratory.
- Performed balloon ascents for upper atmospheric studies at the upper air section daily under supervision.
- Made future forecasts in weather patterns by observing the trends in meteorological readings under supervision.

2017	**Industrial Trainee**
	Federal Airport Authority of Nigeria (Electrical, Housing and Estate Department)

Responsibilities:

- Installed, maintained, restored, and tested on-site electrical equipment.
- Diagnosed and determined proper solutions to electrical faults and problems.
- Restored all failed electrical equipment through the application of the corrective maintenance actions.
- Gave daily reports on progress made on my tasks to increase productivity.
- Promote processes that are efficient and reliable to meet predetermined objectives.

LEADERSHIP AND EXTRA-CURRICULAR

2020 – 2021   **STEM Education Subcommittee, Afrisnet**
- Planned a presentation on career choices in STEM for High-School students studying in Africa.

2018   **Computer Programming Team Lead, IEEE, University of Ibadan Chapter**
- Led and coordinated a programming team of 7 members in various computer programming activities.

2016 – 2019   **Team Lead, Team 3F, PWSA, Department of Mathematics, University of Ibadan**
- Coordinated my team to solve the chosen competition problem with 98% efficiency in the Programming Workshop for Scientists in Africa (PWSA) competition comprising 70 students.

PROFESSIONAL DEVELOPMENT

2021   **Introduction to Algorithms**
Center: Udacity
Overview:
- Introduces the student to the design and analysis of algorithms, enabling them to analyze networks and discover how individuals are connected.

2021	**Network Security**

Center: Udacity

Overview:

- An introduction to computer and network security. Students will be able to evaluate works in academic and commercial security, and have rudimentary skills in security research

2021	**High Performance Computer Architecture**

Center: Udacity

Overview:

- Covers performance measurement, pipelining, and improved parallelism through various means.

2021	**Computability, Complexity and Algorithms**

Center: Udacity

Overview:

- Teaches techniques that will help one recognize when problems one encounters are intractable and when there is an efficient solution.

2021	**Introduction to Operating Systems**

Center: Udacity

Overview:

- Teaches efficiency, common algorithms, manipulating popular data structures, and how to explain a solution.

2021	**Introduction to Operating Systems**

Center: Udacity

Overview:

- Teaches the basic operating system abstractions, mechanisms and their implementations.

2021	**Computer Networking**

Center: Udacity

Overview:

- An advanced computer networking course that delves into the latest concepts and tools used by the Computer Networking industry

2021	**Introduction to Python Programming**

Center: Udacity

Overview:

- Process of clearly defining business issues, preparing and cleaning data, and implementation of a variety of predictive modeling techniques.

2021	**Introduction to Operating Systems**

Center: Udacity

Overview:
- Teaches the basic operating system abstractions, mechanisms and their implementations.

2021	**Predictive Analytics for Business Nanodegree**

Center: Udacity

Overview:
- Process of clearly defining business issues, preparing and cleaning data, and implementation of a variety of predictive modeling techniques.

2020	**Introduction to Relational Databases**

Center: Udacity

Overview:
- Fundamentals of Relational Database Systems and their applications, connecting python code to a relational database.

2018– 2019	**Intel Edge AI for IoT Developers Nanodegree**

Center: Udacity

Overview:
- Basics of edge applications and AI at the Edge. Leverage pre-trained models, convert models with the Intel model optimizer, utilize the inference engine for model analysis.

2018	`	**Python Programming Workshop for Scientists in Africa**

Center: Python Programming Workshop, Department of Mathematics, University of Ibadan

Overview:
- Fundamentals of Scientific Programming using Python

SKILLS AND INTERESTS

Software and Programming: Microsoft office suites (Word, Excel, PowerPoint, Teams, Outlook), Python (Numpy, BeautifulSoup, Pandas, SciKit-learn, matplotlib, seaborn, and Keras), Alteryx,

Databases: MySQL, and mongo DB

Soft Skills: Time management, Critical thinking, Presentation, Task Prioritization, Report Writing, and Analysis

Languages: English, and Yoruba

Interests and Hobbies: Problem-solving, Solving puzzles, Reading, Machine Learning

VOLUNTEERING AND COMMUNITY SERVICES

2021   **Data Preparation Team Member**
Theme: A.I. for Energy: Transitioning Toward a Sustainable Energy System in Nigeria
Organization: Omdena Nigeria Local Chapter
Attendance: 70 Participants

2019   **Publication Revision Team Member**
Theme: Publishing of the 1st edition of the Youth Atlas
Organization: Youth Special Interest Group of Internet Society
Attendance: ~50 Participants

2018   **Robotics Instructor**
Theme: Training of elementary school students for the Roborave International Robotics Competition
Organization: Bloomseed Elementary School
Attendance: ~10 Participants

2018   **Academic Committee Member**
Theme: Improving the academic performance of low-scoring members of NAPS
Organization: National Association of Physics Students (NAPS), University of Ibadan
Attendance: ~200 Participants

REFERENCES
References furnished upon request