

EMMANUEL ADETAYO AKOJA

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Summary: Expert communicator of technical terms to non-technical audiences. Invaluable problem solver of complex and ambiguous problems. Critical thinker, proficient in various computer applications. Currently a Ph.D. student in computer science and a graduate data analyst with the center for academic success, completed MSc Computer Science with 3 years of experience as a Graduate Research Assistant and Teaching Assistant. More than six years skilled experience at analyzing large volumes of data, skilled with Teradata and extracting insights to drive organizational impact.

High-performance thought leadership: Experienced in collaborating with teams to conduct critical data analysis to develop solutions that solve complex problems and drive business performance and revenue growth by utilizing a strong self-discipline.

Reliable and resourceful visionary: Solutions oriented analyst known for uncovering hidden opportunities, introducing ground effective strategies, and working in ambiguous situations across organizational boundaries.

SKILLS & COMPETENCIES

Most skilled: Tableau Prep | Tableau Desktop | R & Python programming | Machine Learning & Deep Learning Algorithms | SPSS | SQL

More skilled: SAS | Microsoft Power BI | Google Analytics | Agile BI Reporting | Master Data Management | Written & Verbal Communication | Database Testing | ETL Process | Econometrics | Advance Operating System | Algorithm Design | Excel

EDUCATION

Doctor of Philosophy— Computer Science, Louisiana State University, In view (3.63)

Master of Science – Computer Science, Austin Peay State University, 2019 (3.83)

Bachelor of Science – Mathematics, University of Ilorin, 2015 (3.78)

PROFESSIONAL HISTORY

CENTER FOR ACADEMIC SUCCESS AT LSU

Baton Rouge, LA

Graduate Assistant Data Analyst

July 2020 – present

- ➔ Provided insight from dynamic academic student data (Tableau prep & Tableau desktop)
- ➔ Data wriggling for dimension reduction (Tableau prep)
- ➔ Designed of historical database (Microsoft SQL Server)
- ➔ Visualized and report statistical charts of analyzed data (Tableau desktop)
- ➔ Created a user-friendly and flexible visualization for event, exams and test schedule
- ➔ Pivoted a 599 variable student static data to 24 fields for historical database and future analysis
- ➔ Facilitated a tableau training for the CAS team (Tableau prep & Tableau desktop)
- ➔ Visualized a survey data to help improve CAS services delivery

FEDEx

Lavergne, TN

Operations Research Analyst (CONTRACT)

April 2020 – June 2020

- ➔ Research and resolve received discrepancies accurately using all available resources
- ➔ Maintained the flow of discrepant product by resolving them in FIFO order (SQL & EXCEL)
- ➔ Coordinates with workgroups to obtain necessary data and parameter settings
- ➔ Discussed findings with research lead to evaluate the validity of findings (SQL & Excel)
- ➔ Developed procedures, and support functions to monitor optimization and to facilitate problem resolution (MACRO)
- ➔ Implemented and promoted continuous improvement warehouse and inventory functions utilizing established quality processes and through active participation in High-Performance Work Teams
- ➔ Supervised and developed others

NAVIHEALTH

Brentwood, TN

Data Specialist

September 2019 – April 2020

- ➔ Developed statistical models for evolving internal data driven decisions
- ➔ Optimized queries and ETL to improve the performance of data delivery
- ➔ Performed data reconciliation and analysis to identify data anomalies with statistical charts and tests
- ➔ Performed data validation and quality assurance on stakeholder reporting

- ➔ Developed and evolved Master Data Management services for data modelling, configuration and integration

AUSTIN PEAY UNIVERSITY

Clarksville, TN

Graduate Teaching / Research Assistant

August 2017 – May 2019

- ➔ Conducted research to applied machine learning, deep learning algorithms with NN to predict stock price (Eviews & R)
- ➔ Analyzed and processed complex data sets using advanced querying, visualization and analytics tools
- ➔ Taught R Programming, Minitab and Statistics to 45 students (freshman, sophomores, juniors, and seniors)

ADENIJI AGBOOLA AND COMPANY

Lagos, Nigeria

Intern | Data Analyst

October 2016 – June 2017

- ➔ Utilized advanced MS excel such as VLOOKUP to create a flexible, easy-to-read spreadsheet model that increased the efficiency for financial analysis
- ➔ Created data analysis approaches to ads insights from quantitative and qualitative research activities; prepared reports including high level summaries with implications and recommendations
- ➔ Created website insight analysis to improve competitive and advertising research analysis
- ➔ Optimized data collection and created monthly financial reports to identified opportunities that resulted in 10% revenue growth
- ➔ Maintain corporate master data management policy and recommended changes to management as necessary
- ➔ Increased job satisfaction and value +/-10% by creating leading cloud-native platform that streamlined IT operations and software development

TELEMAGIC TELECOMMUNICATIONS

Lagos, Nigeria

Lead Developer

October 2015 – October 2016

- ➔ Built and managed the afrobeat web platform with Laravel, Angular 6, MySQL
- ➔ Added new features to the MTN Telemagic App with plain PHP & Vuejs
- ➔ Built the HR management App for in-house development with Laravel
- ➔ Built APIs for integration using Lumen

FUTURE COM ICT LIMITED

Lagos, Nigeria

Intern | Database Optimizer

January 2013 – June 2013

- ➔ Formulated queries and tuned Database Management System for optimal performance using Structured Query Language.
- ➔ Provided up-to-date and accurate database statistics to achieve optimal SQL queries using database parameters, system parameters, script coding, proper application design, coding efficient utility options.
- ➔ Ensured optimum performance of Database Management System by efficient management of subqueries and resources.

TEACHING EXPERIENCE

- ➔ Fall 2017 to Spring 2019: Statistics Teaching Assistant (**Assistant to Mr. Samuel Ligo, APSU**)
- ➔ Fall 2018 to Spring 2019: Student Learning Assistant Leader for Statistics (**SLA , APSU**)
- ➔ Fall 2017 to Spring 2019: Varsity Tutor for Computer Science, Programming in Python and R(**Online**)

RECENT PROJECTS

CENTER FOR ACADEMIC SUCCESS AT LSU

GA Data Analyst: Cleaned and reduced 599 field of dynamic academic data to 24 fields using Tableau Prep, then prepare analysis of student performance over time with respect to number of factors.

CENTER FOR ACADEMIC SUCCESS AT LSU

GA Data Analyst: Designed a user-friendly calendar view for exam schedule which was published on the testing center and CAS website.

NAVIHEALTH

Team Member as Data Specialist: Advisory report on Skilled Nursing Facility (SNF) utilization and Length-of-Stay (LOS) through the analysis of patient outcomes

NAVIHEALTH

Team Member as Data Specialist: Maximize patient's recovery by using historical, proprietary data from millions of patients records to analyze and predict the best post-acute care setting and therapy needed.

NAVIHEALTH

Team Member as Data Specialist: Identification of re-admission and barrier for early discharge to help provide recommendations

PROJECT AT LSU

Data Mining: Solved a linear convex optimization problem with MATLAB on a health utility data to satisfy monotonicity and consistency

PROJECT AT LSU

Software Engineering: Developed a scalable and robust web application for bike sharing company using Flutter, Adobe UX, PHP, HTML, CSS, Google map, gliffy, Mysql

PROJECT AT LSU

Data Mining: Created a simple storage benchmark tool that generates different types of workloads to drive the performance tests on a file using c++

RESEARCH

Aug 2018 to Nov 2018 (Present at TAS2018 Conference): On the Block third derivative method for solving hyperbolic partial differential equations with Dirichlet and Neumann boundary conditions. *This method directly solve higher-order hyperbolic PDEs while existing methods would convert it to first-order before solving*

PROJECT

Dec 2019 to May 2019 (Present Capstone Project): Statistical Characteristics of Foreign Exchange Markets. *The project run and observed the statistical characteristics, variance component and model selection on the historical foreign exchange for 12 currencies over 9-years, the ARCH family models, were evaluated because of the seemingly variable nature of the variance component.*

PROJECT

Machine Learning: Classification and prediction of sales from web ads using seven machine learning techniques. I compared the seven types of classification models in machine learning to show which is best to predict sales of a product brand of cars based on the response data set collected from website ads. The seven methods of classification included are; Logistic regression, Naive Bayes, K-nearest neighbors, Decision Tree, Random Forest, Support Vector Machine, and Stochastic gradient descent.

PROJECT

Machine Learning: Application of visualization to present DNN models in visual speech recognition I highlighted various deep learning techniques for visual speech recognition and reports on experiments using visualization techniques for the models, successfully demonstrating that CNNs are self-learning features. This experience provided me with practical experience in the recognition system. (Independent project for machine learning class)