

MODUPE TOYIN OLAYINKA

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WORK EXPERIENCE

Database Research Assistant/Analyst

Since January 2022

New Iberia Research Center / Louisiana, USA

- Assisting on three developmental database projects for database defragmentation to improve database performance and loading speed.
- Wrote multiple SQL scripts to obtain data from multiple tables to spool into CSV format for effective data integration and bug fixes.
- Utilized technology tools to streamline the data acquisition process and ensure quality assurance of datasets, increasing efficiency by 25%.
- Executed queries on the central data repository to obtain & prepare datasets for analysis, curating accurate information from over 100K entries.
- Analyzed animal records to generate insights & inform decision-making, resulting in a 10% reduction in data errors.
- Collaborated with cross-functional teams on Agile projects using SCRUM methodology for timely delivery within budgeted costs.

Product Analyst Intern

June 2022-September 2022

Enterprise Hall / Arlington County / Virginia, USA

- Enhanced web-based intake form for data collection with new features, increasing 20% user satisfaction.
- Developed a mock-up for a new landing page featuring test cases & technical specifications, achieving a 30% faster loading time.
- Collected, summarized, analyzed market research data, and made recommendations and forecasts based on findings
- Proficiently utilized Salesforce CRM leading to a 20% increase in customers engagements
- Researched industry trends to devise marketing strategy recommendations, leading to a 25% improvement in ROI.
- Compiled proposal outlining improvements on internship program initiatives with CEO's input resulting in a 10X budget increase

Teacher

2013 - 2016

Federal Government Girls College Efon Alaaye, Nigeria

- Created comprehensive monthly schedules and assignments for volunteers at a community center, increasing volunteer engagement rates from 10% to 45%.
- Provided personalized instruction on mathematical principles and practices to over 200 high school students, improving student comprehension scores by 15%.
- Analyzed large datasets of student records to provide insights & support decision-making for the management, resulting in improved data accuracy by 30%.

EDUCATION

- **University of Louisiana at Lafayette**
- Master of Science in Informatics (GPA 4.0/4.0)
- **Federal University of Technology, Akure**
- *Master of Science* in Mathematical Science
- **Ladoke Akintola University of Technology, Ogbomosho**
- Bachelor of Science in Mathematics

Expected Graduation May 2023

RELEVANT SKILLS

Soft Skills: Organization and Time management, Teamwork, Interpersonal Communication, Multitasking abilities, Self-motivated and Analytical skills. **Packages:** Jira, Trello, PowerBI, Tableau, Microsoft Word, Excel, and PowerPoint. **Language:** R, SQL, HTML

PROJECT

- [Human-Computer Interaction](#): performed research activities such as identifying users' requirements, creating task-flows, and personas based on interviews with end-users, creating sketches, scenarios, design alternatives, designing prototypes, and evaluating usability testing based on the usability goals of the chosen design system for inventory management at the University of Louisiana at Lafayette's Center for Advanced Computer Studies (CACS)
- [R Project](#): This data analysis intends to provide a trustworthy and accurate model to estimate the primary cause of Alzheimer's/Dementia in persons between the ages of 60 and 96 using R.
- [Python Project](#): machine learning techniques are utilized to evaluate historical real estate transaction data from the Federal Reserve and house price data from Zillow. To predict future home prices, I will assist in reasonably forecasting house values. The data collected from different sources will be merged and combined, and a random forest model will be trained. The model will forecast whether future home prices will rise or fall. Backtesting will be used to quantify the error before adding additional predictors to strengthen our model.

LEADERSHIP

- RCCG Sunday School: Effectively utilized all the resources and supplies the Sunday School Coordinators provided.
- Community Service: Support resources distribution and management during a big annual event at the University of Louisiana at Lafayette.
- NYSC CDS: Collaborated with other leaders to help design events that substantially value the organization by organizing fundraising events to raise funds for the group to complete a community beautification project.