

CHUKWUEBUKA IJEZUE

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EDUCATION

- Texas Tech University**
Master of Science: Computer Science
 - CGPA:** 3.8 / 4.0
 - Relevant Courses:** Information Security, Pattern Recognition, Neural Networks, Software Analytics, Independent Research

Lubbock, Texas
August 2023 – May 2025
- Bells University of Technology**
Bachelor of Engineering: Mechatronics Engineering
 - CGPA:** 4.5 / 5.0 (3.7 / 4.0)
 - Relevant Courses:** Artificial Neural Network, Applied Mechanics, System Design, Microprocessor Architecture, Engineering Ethics

Ogun, Nigeria
September 2017 – August 2022

EXPERIENCE

- Texas Tech University**
Teaching Assistant
 - Taught 150+ undergraduate students data wrangling, statistical analysis, and applied machine learning using Python, Pandas, and scikit-learn.
 - Conducted performance data analysis to identify learning trends and improve my teaching approach.
 - Maintained accurate and organized student records in Blackboard LMS for transparent grading and feedback.
 - Fostered a supportive and inclusive classroom environment by addressing student questions and providing individualized guidance.

January 2024 – May 2025
- Huawei Technologies Co., Ltd**
Analyst, Data Integration & Communication
 - Maintained ETL pipelines and automated data workflows in Python, improving integration speed and enabling near real-time network performance monitoring.
 - Collaborated with network engineers to integrate ten new routing nodes and configure device monitoring on Huawei NCE, reducing system downtime by approximately 15%.
 - Developed interactive dashboards in Power BI and Excel to track metrics and device performance, supporting data-driven decision-making.
 - Queried and analyzed network logs in SQL to uncover usage patterns, performance bottlenecks, and data quality issues.
 - Managed large-scale dataset storage and processing on Huawei Cloud, adhering to best practices in data architecture and ethics.
 - Mentored two interns on Huawei's tools, workflows, and best practices.

October 2022 – August 2023
- Huawei Technologies Co., Ltd**
Tools Automation Intern
 - Developed, tested, and deployed JavaScript and SQL code in production to automate network fault detection and reporting on the Huawei OWS platform, streamlining workflows for 10+ engineers.
 - Produced test reports on proposed code changes, reviewed JavaScript and SQL implementations, and implemented solutions to support software upgrades, enhancing system reliability and security.

April 2021 – September 2021

SKILLS

- Programming Languages:** Python, SQL, JavaScript, R
- Machine Learning & AI:** TensorFlow, PyTorch, Large Language Models (LLMs), Natural Language Processing (NLP), RAG Pipelines, LLM Fine-tuning, Deep Learning, Causal modelling
- Data Science & Analytics:** Data Analysis & Visualization, Predictive Modeling, Data Storytelling, ETL, Statistical Analysis, Data Modeling, APIs, Git, A/B Testing
- Tools & Platforms:** AWS, Google Cloud Platform (GCP), Huawei Cloud, Tableau, Power BI, Git
- Professional & Interpersonal Skills:** Collaboration & Cross-functional Communication, Technical Presentations, Independent Project Ownership in Fast-paced Environments, Curiosity, Problem Solving, Research Experience

CERTIFICATES

- IBM Data Science Professional Certificate
- AWS Cloud Support Associate

PUBLICATIONS

- **Advances in Auto-Grading with Large Language Models: A Cross-Disciplinary Survey.** Presented at the BEA Workshop, 2025. Surveyed recent developments in applying large language models for automated grading across multiple disciplines. ([link](#))
 - **Hope Classification in Textual Data (*Upcoming*):** Built and benchmarked models for hope-speech classification via supervised fine-tuning of BERT, RoBERTa, and GPT-3; accepted at IberLEF 2025. ([link](#))
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PROJECTS

- **Advanced Brain Segmentation Using EMCAD:** A collaborative research project aimed at applying the Efficient Multi-scale Convolutional Attention Decoding (EMCAD) architecture to segment brain tumors using the BRATS 2020 dataset. ([link](#))
- **Applications of Retrieval-Augmented Generation (RAG) Application:** Jupyter notebooks demonstrating RAG workflows for improving LLM outputs through context injection. ([link](#))
- **Benchmarking NP-hard problems with QAOA:** Collaborated on a research project evaluating Quantum Approximate Optimization Algorithm (QAOA) performance for Knapsack, MAXCUT, and TSP problems. ([link](#))