CHUKWUEBUKA IJEZUE

cijezue@gmail.com | +1 (806) 758-2754 | **LinkedIn**: Chukwuebuka Ijezue | **Website**: Ijezue | Lanham, Maryland

EDUCATION

Texas Tech University — Lubbock, Texas
Master of Science: Computer Science — August 2023 – May 2025

- **CGPA**: 3.8 / 4.0
- **Relevant Courses:** Information Security**,** Pattern Recognition, Neural Networks, Software Analytics, Independent Research

Bells University of Technology — Ogun, Nigeria
Bachelor of Engineering: Mechatronics Engineering — September 2017 – August 2022

- **CGPA**: 4.5 / 5.0 (3.7 / 4.0)
- **Relevant Courses:** Artificial Neural Network, Applied Mechanics, System Design, Microprocessor Architecture, Engineering Ethics

EXPERIENCE

Handshake AI — September 2025 – Present
Move Fellow

- Working on a project to design chain-of-thought prompts to test and improve SOTA models on computer science reasoning tasks, focusing on pinpointing where their reasoning breaks down.

Texas Tech University — January 2024 – May 2025
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.

Huawei Technologies Co., Ltd — October 2022 – August 2023
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.

Huawei Technologies Co., Ltd — April 2021 – September 2021
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.

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)

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)