

JEREMIAH AGBAJE

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PROFILE

Data-driven Software Engineering graduate with hands-on experience in applied research, data analysis, and reporting, turning quantitative and qualitative datasets into clear, actionable insight for decision-making. Experience coordinating stakeholders, synthesising findings into structured reports and knowledge products, and building dashboards and KPI reporting systems. Currently a Data Analytics Extern with Beats by Dre and completing the ALX Data Analytics Programme. Comfortable with Python, SQL, Excel, and Power BI, and with managing multiple research and reporting assignments at once.

EXPERIENCE

Data Analytics Extern — Extern (Beats by Dre)

May 2026 – Present

- Conducted quantitative and qualitative analysis on consumer data to identify Gen Z behaviour trends and audio product preferences
- Performed exploratory and sentiment analysis in Python to extract insight from customer feedback datasets
- Built dashboards and a structured consumer insights report with actionable brand and marketing recommendations
- Applied customer journey mapping and AIDA frameworks to analyse user behaviour and support strategic decision-making

Project & Operations Management Intern — LadX

June 2026 – Aug 2026

- Built recurring KPI and management reporting workflows covering revenue, shipment volume, customer acquisition, verification, marketing, and logistics performance
- Reconciled data across CRM, shipment logs, and identity-verification records to build a revenue recovery tracker, quantifying pipeline, gaps, and forecast against monthly targets
- Designed a company-wide Asana tracking system giving leadership visibility into ownership, deadlines, KPIs, and operational blockers across 5+ functional teams
- Produced daily executive reporting that translated fragmented team data into clear commercial performance and risk insight

KEY PROJECTS

ProActive — AI-Powered Procrastination Prediction Platform — Independent Project

2026

- Built a full-stack analytics platform predicting procrastination risk across 32,000+ students and 10M+ interaction records, achieving 89% accuracy and AUC-ROC of 0.94
- Designed administrator dashboards and AI-powered intervention workflows enabling data-driven student support

Beijing PM2.5 Forecasting — Time Series Analysis

2025

- Analysed a multivariate time-series dataset of 43,000+ hourly records, combining air quality and meteorological variables to forecast PM2.5 levels
- Engineered temporal and weather-based features, achieving an RMSE of 28.55 and improving on baseline performance, with insights applicable to air quality monitoring and early warning systems

VOLUNTEER EXPERIENCE & LEADERSHIP

Outreach & Data Lead — CCI Rwanda

May 2025 – February 2026

- Designed and maintained a community database to track member participation and engagement, streamlining data collection and reporting to improve accuracy and accessibility
- Used engagement data to inform outreach strategy and contributed to planning and logistics for flagship events and outreach initiatives

Rapporteur — Certa Foundation Africa AI Stakeholder Event

Oct 2024

- Documented discussions from multi-stakeholder sessions with participants from 15+ African countries and synthesised key insights on AI governance and digital policy into structured reports
- Contributed to the official event report, supporting knowledge sharing and policy discussions

Section Leader — Stanford Code in Place

Apr 2025 – Jun 2025

- Selected from thousands of applicants to teach Python in a global computer science program, mentoring 15+ students from different countries through weekly live sessions
- Simplified complex programming concepts and fostered an inclusive learning environment for diverse learners

EDUCATION

BSc Software Engineering — African Leadership University

May 2023 – July 2026

- CGPA: 4.06 | Coursework: Machine Learning Pipeline, Python & Databases, Communicating for Impact, Responsible Enterprise

ALX Data Analytics Programme — ALX Africa

Ongoing

- Excel, SQL, Power BI, data visualisation, and analytics for decision support

SKILLS

- Research & Coordination: stakeholder coordination, survey/data collection support, report and knowledge-product writing, literature synthesis
- Data Analysis: Python (Pandas, NumPy), SQL, Excel, EDA, data cleaning, sentiment analysis
- Visualisation & Reporting: Flourish, Metabase, dashboard development, data storytelling
- Machine Learning: predictive modelling, ensemble models, feature analysis, model evaluation
- Tools: PostgreSQL, MongoDB, n8n, Google Colab, Swagger UI

