Princewill Egbujor

+1 (510)-224-1232 | San Francisco, CA | princewill.egbujor@gmail.com | www.linkedin.com/in/princewillegbujor
https://github.com/Elprinz1 | https://elprinz1.github.io/portfolio-website

EDUCATION

University of San Francisco   **Jul 2023 - Jun 2024**
Master of Science (MS) in Data Science   *San Francisco, CA*

University of Port Harcourt   **Nov 2013 - Apr 2015**
Master of Science (MS) in Offshore Engineering   *Rivers, Nigeria*

Federal University of Technology Owerri   **Mar 2005 - Mar 2010**
Bachelor of Engineering in Chemical Engineering   *Owerri, Nigeria*

SKILLS

Programming/ Visualization: Python, SQL, NoSQL, HTML, Linux, PowerBI, Looker, Qlik, Excel, PowerPoint, Airflow.
Machine Learning: Regression, Classification, Unsupervised, Deep Learning, NLP, Transformers, Large Language Models (LLM)
Big Data/Database: PySpark, SparkSQL, ETL, Spark, MongoDB, Git, Databricks.
Cloud/ MLOps: Docker, Kubernetes, Flask, Streamlit, CI/CD pipelines.
Libraries and framework: PyTorch, NumPy, Pandas, Plotly, Scikit-Learn, Matplotlib, Seaborn, Spacy, SciPy, Selenium.
Web Experimentation: Causal Inference, A/B Testing, Hypothesis testing, Statistical Inference, Forecasting, Experimental Design
Soft skills: Leadership, team player, great adaptability, good communicator.

WORK EXPERIENCE

TruckX Inc | Data Scientist | San Francisco, USA   *Oct 2023 – Present*
Sharp Turn Logic Detection & Prediction
- Analyzed **~1000 hours** of GPS data on **Google BigQuery** using **DataProc** in **GCP Notebooks** to extract insights from vehicle GPS data.
- Crafted a rule-based sharp turn detection logic to capture 99% of all truck behaviors and engineered predictive features through exploratory data analysis.
- Developed an ML framework by training **Random Forest** and **Decision Tree classifiers** for predicting sharp turn event for moving trucks.
- Implemented real-time advance alert logic for sharp turns, improving driver and client safety by over 11%.

Geofence Recommender system
- Building an intelligent geofence recommender system to automate 80% of geofence implementation through one-click intelligent sequence.
- Transformed and engineered multiple features from raw GPS and Electronic Logging Devices (ELD) data to define parameters for the model.
- Improve client app feature engagement by over 200% by utilizing **Clustering algorithms** to define most influential locations.

Dangote Oil Refinery | Operational Readiness Manager - **Data Analyst** | Lagos, Nigeria   *Mar 2016 – Jul 2023*
Data Center
- Led data-driven refinery Operational Readiness Program (ORP), orchestrating multiple workstreams and implementing data-driven strategies. Spearheaded the development of predictive analytics models, resulting in a **18% reduction in downtime** and **~$5 million in cost savings** for the $9 Billion refinery project.
- Developed project-to-asset transition plans, spearheaded energy, utility, and other resource forecasting for optimizing resource allocation, and ensuring compliance with regulatory standards. Conducted exploratory data analysis (EDA) to identify operational inefficiencies, leading to a **9% increase in productivity** and a **99% incident-free startup**.
- Collaborated with cross-functional teams to define key performance indicators (KPIs) and revolutionize operational processes.
- Deployed a PowerBI dashboard integrating Next-Best-Action recommendations through predictive analysis of aggregated data from all stakeholders.

Gmunu Limited | Senior Project Engineer | Lagos, Nigeria   *Oct 2013 – Mar 2016*
Dimension Data Analysis
- Led dimension data control services in over 20 oil & gas facilities, conducting detailed analysis and laser scanning, followed by 3D modeling of point clouds and clash report preparation.
- Managed contract negotiations, QA/QC checks, and collaborated with design engineers to ensure design specifications and changes compliance, resulting in over **13% increase** in project delivery time and cost.
- Employed effective project management methodologies, including the 3Ws (What, Why, When), to drive project success. Coordinated cross-functional teams, facilitated stakeholder meetings, and implemented strategic planning initiatives to achieve project milestones efficiently and effectively.

SELECT PROJECTS

Refinery Inventory Management System – Conducted ETL processes and implemented data-driven forecasting and inventory management solutions using **Python Django web framework**, optimizing resource utilization for early trading startup.
Recruitment Analytics Platform – Utilized Python and SQL to integrate and analyze data from multiple streams, serving over **4000 personnel** for refinery commissioning. Utilized **Microsoft PowerBI** to visualize recruitment bottlenecks, leading to streamlined hiring processes, time, and cost savings.
ML Model from Scratch – Implemented Decision Trees, Random Forests, Bagging, Boosting (Light GBM), Clustering and Recommendation System.