

CONTACT

- Cape Town (Open to Remote)
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- [linkedin.com/in/egbodaniel](https://www.linkedin.com/in/egbodaniel)
- darselem.github.io
- github.com/Darselem

SKILLS

Data Visualization:

- Matplotlib (Experienced)
- Plotly (Experienced)
- Tableau

Techniques:

- Hypothesis Testing
- Statistical/Data Analytics
- Machine/Deep Learning
- Text Analysis/NLP/LLM
- Time Series Forecasting
- Prompt Engineering
- LLM FineTuning

Tools and Frameworks:

- Python
- VS Code, PyCharm, Jupyter
- Numpy, Pandas, PySpark
- PostgreSQL, MongoDB, BigQuery
- Scikit-learn, XGBoost, Prophet
- TensorFlow, PyTorch
- MLFlow, CometML, Evidently
- Flask, StreamLit
- Prefect, Docker, Git
- Kubernetes (kubectI, kind)
- HuggingFace, Transformers
- Langchain, Chainlit, Gradio
- OpenAI, Llama etc.
- Intel OpenVINO
- AWS, GCP

OTHERS

- Courses Completed:
Machine Learning [ZoomCamp](#),
[WorldQuant](#) Scientific Computing & Python,
[WorldQuant](#) Machine Learning & Statistical Analysis.

- Summer Schools
[Oxford Machine Learning](#) (OxML)

- Interest: Space, Business consulting, Health Tech, Fintech, Web 3, SMEs.

Daniel Egbo

Data Scientist/Machine Learning Engineer

WORK EXPERIENCE

[Nabafat AI](#), California, US, Remote

AI Startup delivering Vision and Language models to Business.

Machine Learning Engineer (Research) June 2023 – December 2023

[Nabafat AI](#), California, US, Remote

- Research, development and implementation of machine learning models.
- Curated context data for 2 Large Language Model applications.
- Fine-tuning of open source LLMs such as Llama, Mistral etc.
- Developed 3 Chatbot apps with open source Large language models.
- Developed and deployed CV app for Intel supported Edge device.

[SAAO](#), Cape Town, WC

Foremost Optical and Infrared Astronomy Research Facility in Africa

Research Data Scientist

February 2021 – Current

- Analyzed 15 big data products in tabular (over 500,000 sources) and imagery formats (over 50 image data cubes) from MeerKAT - the largest radio telescope in the Southern hemisphere.
- Researched and developed a cross-correlation method for the Research group and used the same approach in cross-correlating 11 catalogs with the [MeerKAT](#) radio surveys resulting in research outputs of over 3000 radio-optical counterparts.
- Reviewed 72 journal articles and produced over 60 visualization graphs for journal publication and presentation.
- Crafted 2 new research projects from cross-correlated result data involving machine learning.
- Employed reproducible research methodology and open-source techniques to increase research outputs by 15%.

[Ubenwa Health](#), Remote

Leading Infant Healthcare AI Startup

Machine Learning Intern

September 2020 – January 2021

[Ubenwa Health](#), Remote

- Performed signal processing and analysis of clinical audio data into features thereby improving data quality by 7%.
- Researched, designed and implemented machine learning applications to solve problems related to infant asphyxia infections, resulting in a 5% improvement in model accuracy.
- Collaborated with 6 multidisciplinary product development teams to integrate models and improved app performance by 18%.

EDUCATION

Master of Science

December 2019

University of Nigeria, Nsukka

Major in Astronomy

Bachelor of Science

August 2014

University of Nigeria, Nsukka

Major in Physics & Astronomy