

Professional Summary

Junior ML engineer with experience in application, design, development, testing and deployment of ML models. Highly experienced in writing codes and algorithms design, statistical analysis, and deep learning as well as building complex neural network. I am prepared to lead teams and interns in predictive modelling and insight reporting to boost hyphen's business efficiency, strategic goal, and profit.

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Github: <https://github.com/GilbertTcheugoue> || [Portfolio](#)

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Skills

Technical Skills

CNN fundamentals, transfer learning, auto encoders, object detection, object segmentation, Deep learning, Data pre-processing, feature engineering and selection, data visualization, Model development workflow, Model training, testing, validation, EDA, AutoGloun framework, SageMaker studio, AutoML, Lambda and step function workflow

Software Tools

Pytorch, Tensorflow, power BI, Excel Python, LTE sim, Matlab, AWS, Google Cloud

Soft Skills: Teamwork, Problem-solving, Time management, Critical thinking, Decision-making and Organisational skills.

Work Experience

Machine Learning Intern

10 Academy

April 2024 - present

- Performed exploratory data analysis and feature engineering, preparing datasets that resulted in significant insights for causal modeling projects.
- Utilized language models and computer vision techniques to create engaging storyboards for advertisements, resulting in a 15% increase in client engagement.
- Communicated complex technical concepts to non-technical stakeholders, ensuring clarity and facilitating collaborative project outcomes.

Part Time Teacher Yaounde, Cameroon

**National Advanced School of Post, Telecommunication and ICT
October 2022 - Present**

- lecturer in CDMA Drive Test and Optimization , wireless network

Machine Learning Intern Yaounde, Cameroon

**Osmium Solution
August 2023- December 2023**

- Designed and implemented a data pre-processing pipeline, improving data quality that resulted in a 20% enhancement in model prediction accuracy.
- Developed a machine learning application for fraud detection, successfully reducing fraudulent transactions by 20%, contributing to financial integrity.
- Collaborated cross-functionally with stakeholders to effectively communicate technical findings, enhancing the team's understanding of AI solutions.

Radio planning and optimization Engineer Yaounde, Cameroon

**LKM data consulting
October 2018 - September 2021**

- Analyzed key performance indicators across three regions, successfully reducing call drop rates and TCH congestion by 30%, thus improving customer satisfaction.
- Conducted ten comprehensive drive tests for performance analysis, generating actionable insights that led to enhanced network reliability in five cities.
- Collaborated with engineering teams to communicate network optimization strategies, improving project execution efficiency.

Projects

- **Scalable Data Warehouse for LLM Fine-tuning:**
 - ✓ Designed and deployed a high-throughput data ingestion API for a scalable data warehouse, significantly improving data retrieval times by 50% for customer support services.
 - ✓ Fine-tuned an open-source LLM with Amharic data for generating quick and relevant responses, achieving a 90% satisfaction rate in user interactions based on past customers' queries.
 - ✓ Executed comprehensive data preprocessing steps, including cleaning and tokenization, to ensure the quality of text embedding, which enhanced response accuracy in AI-driven customer service.

- **Build a ML Workflow for Scones Unlimited on Amazon SageMaker:**
 - ✓ Developed an end-to-end machine learning workflow on AWS SageMaker, implementing automated model training and deployment processes.
 - ✓ Leveraged AWS Lambda and Step Functions to enhance workflow efficiency, leading to reduced execution times for model retraining cycles by 40%.
 - ✓ Ensured high availability and performance of ML models, contributing to a scalable ecosystem adaptable to in-creasing data loads and transforming operational outputs.
- **drivers location optimisation with Causal Inference:**
 - ✓ Analyzed Gokada data to identify primary causes of unfulfilled requests, leading to informed recommendations that improved driver location strategies, resulting in an increase in order fulfillment rates by 20%.
 - ✓ Implemented machine learning techniques with causal inference to refine operational processes, enhancing the efficiency of driver allocations and reducing wait times by approximately 25%.
 - ✓ Collaborated with technical teams to translate business needs into actionable machine learning workflows, effectively communicating results to stakeholders to facilitate strategic decision-making.
- **Using AI to Accelerate Hiring and Other HR Processes:**
 - ✓ Developed and implemented clear and attractive job descriptions across multiple departments, which improved applicant engagement rates by 30%.
 - ✓ Utilized generative AI tools to streamline resume screening processes, drastically reducing manual review time by 40% while maintaining high accuracy in candidate selection.
 - ✓ Created data-driven reports on hiring progress, effectively communicating insights to the HR department, leading to the optimization of recruitment strategies and processes.

Education

10 Academy

Machine learning, Generative AI, and Data Engineering

Santa Clara, CA –USA

April 2024- October 2024

National Advanced School of Post, Telecommunication and ICT

Meng. Telecommunication Engineering

Yaounde, Cameroon

December 2014 – January 2017

Certifications

AWS Machine learning fundamental nanodegree– UDACITY - May 2023 – December 2023

AI Programming with Python Nanodegree UDACITY – October2022 – March 2023

Machine learning specialization- COURSERA- June 2022 – December 2022