734-686-9219
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Oak Park, MI

Perez Fotso

Data Scientist with 4 years of experience executing data-driven solutions to increase efficiency, accuracy, and utility of internal data processing. Experienced at creating data regression models, using predictive data modeling, and analyzing data mining algorithms to deliver insights and implement action-oriented solutions to complex business problems. Looking to use my skills to manage machine learning and data-related solutions at your organization.

Skills

- **Programming Languages**: Python, SQL, R, Docker, PySpark, Scala, Airflow,Bigquery,Azure
- **Programming Libraries:** OpenCv, Numpy, Java, Pandas, Scikit-learn, NLTK
- **Deep Learning Framework**: TensorFlow, PyTorch, Keras, CNN, DNN
- **Web Frameworks and Database:** Ionic, Django, Angular,NodeJs, MySQL, MongoDB,
- **Generative AI:** REST APIs
  LLM & Generative AI: Prompt Engineering, Retrieval Augmented Generation (RAG), Fine-tuning LLMs, LangChain, OpenAI APIs
- **Data Visualization tools**: Matplotlib, Tableau, Seaborn

Experience

06/2021 – TO PRESENT

Data Scientist/ Circana, Illinois

- Develop, validate and execute algorithms and predictive models to investigate problems, detect patterns and recommend solutions.
- Implemented predictive analytics solutions to improve forecasting of sales for products sold in the Ecommerce market during seasonal events.
- Built AI agents using Large Language Models, LangChain, and Retrieval Augmented Generation (RAG) to answer customer questions.
- Containerized machine learning services using Docker and deployed them on Kubernetes clusters.
- Created dashboards using Power BI to visualize key business and engineering metrics.
- Optimized extraction, transformation, and loading of data from a wide variety of data sources: Google cloud, snowflake, Hadoop, AWS, Azure.
- Developed and Utilized web scraping techniques to extract data from clients' websites.

- Worked with clients to understand business needs and translate those business needs into actionable reports.
- Built a digital shelf data analytic tool to understand shoppers/consumers behaviors to help brand's owners make strategic business decisions.
- Designed and implemented a real-time automated data pipeline to process Point of Sales (POS) and E-commerce Point of Sales (ePOS) semi-structured data of various US retailers by ingesting 130 million rows with SQL and Python from various data sources.
- Collaborated with cross-functional teams including engineers, analysts, and product managers.

02/2020 – 06/2021

Machine Learning Engineer/ General Motor, Michigan

- Participated in the development of a human detection for the company's autonomous vehicle.
- Trained a classification model using deep learning algorithm to detect defects in vehicle parts.
- Developed machine learning models using Python and Scikit-learn to analyze operational and manufacturing data.

07/19 – 01/20

DATA BASE ADMINISTRATOR/ African Bureau for Immigration and Social Affairs, Michigan

- Created databases by using SQL database editor MySQL Workbench
- Maintained data files, control files, and redo logs files
- Managed rollback segments, table and indexes
- Ensured data integrity and system security
- Used backup, recovering configuration and export/import techniques
- Optimized sort operations
- Coded the backend of ABISA's mobile app with NodeJs and a No-SQL framework which is MongoDB.

Education

EXPECTED GRADUATION June 2026

Master's in computer Science / Eastern Michigan University, Ypsilanti, MI

SEPTEMBER 2015

Bachelor's in computer science / University of Maroua, Cameroon

Graduated with a 3.5 GPA

FEBRUARY 2021

Machine Learning Specialization / Stanford University/Coursera, Stanford, CA

Completed twenty hours of machine learning course specialization offered by Stanford University.

Skills gained: Logistic Regression, Image classification, Deep learning Algorithms, object detection and computer vision projects.