

**Angele Blandine Feussi Nguemkam**

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**GitHub:** <https://github.com/Angelenguems>

**Portfolio:** <https://angelenguems.github.io/>

## **PROFESSIONAL OBJECTIVE**

Applied Data Science student, rigorous and results-oriented, seeking an academic internship at BDO Digital – Data & Analytics Team for the period from January 5 to April 17, 2026. Experience in analytical pipelines and data solutions with Azure ML, Hadoop, Spark, Python, and SQL.

## **SKILLS**

**Programming Languages:** Python, R, SQL

**Data Science & Machine Learning:** Pandas, NumPy, Scikit-learn, TensorFlow/Keras, model evaluation (accuracy, recall, F1, AUC), cross-validation, SMOTE

**Databases:** SQL Server (stored procedures, cursors, triggers), MongoDB (aggregations)

**Cloud & Tools:** Hadoop (HDFS, MapReduce), Spark (RDD, DataFrames, MLlib), Azure ML (pipelines, tuning), Git/GitHub, Jupiter notebook, Power BI (basic)

Languages: French (C2), English (B2)

## **ACADEMIC PROJECTS**

### **Diabetes Risk Classification (AI Project) — 2025**

- Built supervised pipelines (Decision Tree, Random Forest, XGBoost, neural networks).
- Semi-supervised approach (dataset merging, K-Means/DBSCAN clustering).
- Communicated results and prepared end-user documentation

### **Azure Machine Learning – End-to-End Pipeline (Designer) — 2025**

- Built a pipeline in Azure ML Designer: dataset ingestion, preparation (cleaning, standardization), train/test split.
- Model optimization and performance documentation (AUC, accuracy, recall).
- Integration with SQL Azure and Azure Data Factory.
- Stack: Azure ML, Jupyter, Python, Scikit-learn.

### **MongoDB – Aggregations — 2025**

- Designed aggregation queries (group, sort, limit, unwind).

- Extracted business insights (top N, averages, rankings).

## **WORK HISTORY**

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### **Production Operator Worker**

**Oct. 2024 – Present**

North House Food, Ottawa (Ontario)

- Strict compliance with procedures, traceability, hygiene, and safety control.
- Teamwork in a fast-paced environment.
- Ensure accurate daily packaging (bottling) and labeling of finished products in compliance with hygiene and quality standards.

### **Laboratory Technician & Quality Manager**

**Jul. 2021 – Dec. 2023**

Fondation sociale Suisse, Maroua (Cameroun)

- Performed biochemical, hematological, and microbiological analyses.
- Supervised and trained interns.
- Developed, optimized, and implemented a quality system in the laboratory (SOPs, compliance, internal audits).
- Monitored and controlled analysis quality to ensure reliability and reproducibility of results

## **EDUCATION**

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### **Applied Data Science**

**Jan. 2025 – Present**

La Cité, Ottawa (Ontario)

**Key Course:** Python, R, SQL Server, Java, Machine Learning, IA, Big Data (MongoDB), Azure ML, Hadoop, Spark.

### **Master's degree in health sciences (Bacteriology & Virology)**

**Jan. 2020**

Catholic University of Central Africa, Yaoundé (Cameroon)

Scientific approach, laboratory analyses, quality protocols.

### **Additional Training:**

- General First Aid and CPR/AED Level C **Oct. 2024**
- Laboratory Quality Management **July 2022**

## **VOLUNTEERING**

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### **Participation in COVID-19 Diagnosis (PCR tests, analyses)**

**Oct. 2020 – June 2021**

Research Center for Army Health, Yaoundé (Cameroon)

**References available upon request**