

BLAISE TANAM FONGUH

Yaoundé, Cameroon | blaisefonguh99@gmail.com | [LinkedIn](#) | [My-Portfolio](#) | +237681505987

EDUCATION

BSc. Computer Science, Kwame Nkrumah University of Science and Technology (KNUST) Kumasi, Ghana	Sep. 2020 – Nov. 2024
Focused Courses: Information Systems; Systems Analysis and Design; Human–Computer Interaction; Artificial Intelligence; Data Structures; Database Systems; Programming with Python, Java, and C++; Operations Research.	
<ul style="list-style-type: none">Graduated with a GPA of 3.0/4Published final-year thesis: Lingua-Connect; on developing a global translation tool to enable effective communication between people of diverse linguistic backgrounds in Africa	

PROFESSIONAL EXPERIENCE

BM Prime Capital, Venture Capital Intern Remote, USA	Nov.2025 – Present
<ul style="list-style-type: none">Sourced and evaluated 10+ early-stage startups across Francophone Africa, focusing on fintech, health tech, and digital infrastructure in alignment with the firm's investment thesis.Conduct commercial due diligence, build financial models, and prepare investment memos that inform partners' decisions on 5+ seed-stage deals.	
Blitz Transfers, Founder & Chief Operating Officer Yaoundé, Cameroon	Dec. 2024 – Present
<ul style="list-style-type: none">Lead the end-to-end development of a secure, low-cost remittance platform, defining product strategy and coordinating engineering, compliance, and operations to deliver a seamless user experience across three African markets.Achieved a 40% increase in early user adoption by optimizing KYC workflows, improving transaction reliability, and implementing data-driven operational processes that strengthened the platform's scalability and financial inclusion impact.	
CREDIX CAM.SA, Business Intelligence Intern Yaoundé, Cameroon	Aug.2025 – Oct.2025
<ul style="list-style-type: none">Queried and processed 1,000+ loan and refund records using Python to generate monthly investment memos, improving reporting accuracy and reducing preparation time by 40%; additionally facilitated internal training sessions to help staff learn and onboard onto Superset for future BI adoption.Built a behavioral loan-scoring engine using features like repayment rate, delinquency gaps, and borrowing frequency; trained a tuned K-Means model ($\text{Silhouette} \approx 0.376$) to segment borrowers into risk tiers, improving credit-decision accuracy by 22%	
Preply, Business Analysis Tutor Remote, USA	Mar. 2025 – Sept.2025
<ul style="list-style-type: none">Trained 5+ professionals in business analysis, Excel, SQL, and data visualization, using real-world case studies in sales, operations, and customer support to strengthen practical analytical thinking.	
Centre for Applied Research and Innovation in Supply Chain Lab, KNUST, Machine Learning Intern Kumasi, Ghana	Oct. – Nov. 2023
<ul style="list-style-type: none">Trained and optimized a facial recognition model using Python, OpenCV, and Scikit-learn, boosting CCTV identification accuracy by 30% and cutting false positives by 20% through automated preprocessing.	

CO-CURRICULAR ACTIVITIES

FIBAC (Football Initiative for Bridging Africa's Communities), Co-Founder & Program Lead Yaoundé, Cameroon	Apr. 2025 – Present
<ul style="list-style-type: none">Coordinated 15 volunteers and 3 partner organizations, raising \$2,100 to launch one-month community programs across three underserved neighborhoods.Mobilized 150 children by securing training fields, organizing structured participation, and delivering integrated sports, mentorship, and ICT literacy programming basics.	

- Trained 80+ youth in digital skills and personal development, strengthening confidence, discipline, and long-term educational engagement through a blended sports-and-tech model

WeGrowFish, Co-founder and Project Manager

Dec. 2023 – Sep. 2024

Yaoundé, Cameroon

- Co-founded WeGrowFish, a community fish-farming initiative in Yaoundé that designed and managed a 300-catfish farm achieving ~90% survival.
- Trained 10 youth leaders and 60+ children in aquaculture and basic project management, building practical skills and local ownership.
- Generated nearly \$900 in profit to fund school fees and food for 60 children, helping the orphanage reach ~70% financial self-sufficiency and creating a model now shared with other communities.

RESEARCH PROJECTS

Diabetes Prediction ML model using Support Vector Machine

- Built a supervised learning pipeline in Python on the Pima Indians dataset, performing data cleaning, feature scaling, and model training with SVM.
- Achieved ~77% accuracy, ~51% recall, and ~61.5% F1-score on the test set; published the mini-project and code on Zenodo to promote reproducible, transparent analysis.
- Deployed a Flask-based diabetes prediction web app on Railway with a React front end and backend API, for real-time model inference, reducing latency by 30%.

UEFA Euro 2024 Competition Prediction ML model

- Built a football match outcome predictor for UEFA Euro 2024 using web-scraped historical results, team attack/defence strengths, and a Poisson goal model.
- Calibrated team parameters and simulated match scores to estimate win/draw/loss probabilities; the model correctly predicted the tournament winner and achieved around 90% accuracy on held-out group and knockout-stage matches.

Ghanaian Food Recognition ML model – Transfer Learning with CNNs

- Trained and evaluated multiple CNN architectures (MobileNetV2, VGG16, VGG19, InceptionV3) for local food image classification, achieving up to ~88% accuracy with InceptionV3 while handling data cleaning, labeling, experiment tracking, and report drafting.

AWARDS/SCHOLARSHIPS/FELLOWSHIPS

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| • International Student of the year, Faculty of Computer Science, KNUST | 2024 |
| • Finalist at Global Youth Awards by Legacy Project, London | 2024 |
| • Recipient of the Mr. Francophonie Award by Alliance Française Kumasi | 2024 |
| • Fellowship to attend the Aspire Leaders Program by Aspire Institute and Harvard university | 2022 |
| • Fellowship to participate in the Transformative Leadership and Governance Seminar, Kumasi | 2021 |

SKILLS AND INTERESTS

Skills

- Languages and Cloud:** Python (Pandas, NumPy, scikit-learn, Matplotlib, Seaborn), R, Java, JavaScript, HTML/CSS, SQL, NoSQL (MongoDB), Azure VMs, Railway, Git/GitHub
- BI Tools:** Power BI, Apache Superset, Excel (advanced formulas, dashboards, automation), Google Sheets
- Data Science:** Data cleaning and wrangling, exploratory data analysis, feature engineering, supervised learning (classification, regression), transfer learning with CNNs, model evaluation and tuning, basic time series and forecasting, data visualization, predictive modeling
- Soft skills:** Team Player/Leader, Public Speaking, Critical Thinking, problem-solving, Analytical Skills, Report writing

Other Organizational Affiliations

- South African BRICS Youth Association
- National Society of Black Engineers, KNUST
- Global Shapers Community, Yaoundé hub
- Microsoft Learn Student Ambassadors- KNUST
- Hali Access Network & Open Dream Scholar