

BLAISE TANAM FONGUH

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EDUCATION

Kwame Nkrumah University of Science and Technology (KNUST) <i>Bachelor of Science in Computer Science</i> GPA: 3.0/4.0	Kumasi, Ghana Sep. 2020 – Nov. 2024
<ul style="list-style-type: none">Relevant Coursework: Information Systems, Systems Analysis and Design, Human–Computer Interaction, Artificial Intelligence, Data Structures, Database Systems, Programming with Python, Java, and C++, Operations Research.Final-year thesis: Lingua-Connect; published research on developing a global translation tool to enable effective communication between people of diverse linguistic backgrounds in Africa	

PROFESSIONAL EXPERIENCE

BM Prime Capital <i>Venture Capital Intern</i>	Remote, USA Nov. 2025 – Present
<ul style="list-style-type: none">Conduct commercial due diligence, build financial models, and prepare investment memos that inform partners' decisions on 5+ seed-stage deals.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.	
Blitz Transfers <i>Founder & Chief Operating Officer</i>	Yaoundé, Cameroon Dec. 2024 – Present
<ul style="list-style-type: none">Led 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 <i>Business Intelligence Intern</i>	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 (Silhouette ≈ 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.	
KNUST Centre for Applied Research and Innovation in Supply Chain Lab <i>Machine Learning Intern</i>	Kumasi, Ghana Oct. 2023 – 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.	

LEADERSHIP EXPERIENCES AND COMMUNITY ENGAGEMENT

FIBAC (Football Initiative for Bridging African Communities) <i>Coordinator and Co-founder</i>	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

Cofounder and Project Manager

Yaoundé, Cameroon

Dec. 2023 – Sep. 2024

- 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 Francaise 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 |

ADDITIONAL INFORMATION

Skills

- **Programming 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