

Miriam Uwigabiye

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EDUCATION

Ashesi University

BSc. Computer Science

Berekuso, Eastern Region

Date of Graduation: December 2024

Gashora Girls Academy of Science and Technology

A'Level(Mathematics, Chemistry, and Biology)

Kigali, Rwanda

Jan 2016 – Nov 2019

ACHIEVEMENTS/AWARDS

The African Languages Conference Moderator , Stanford University & Bolingo Consult	2025
The Scholar for Impact Scholarship Program , Ashesi University	2020 – 2024
The 2nd runner-up in the Business Idea Pitch Competition , Ashesi Entrepreneurship Center	2023
Aspire Leaders Program Fellow , Aspire Leaders Institute & Harvard University	2023
Player Maker of the Year , Ashesi Football Association	2023
The 2nd runner-up in Gashora Project Exhibition Day , Gashora Girls Academy	2019
Gashora Girls Academy Full Scholarship , Gashora Girls Academy	Jan 2016 - Nov 2019
The Best Performer Girl in Rwanda National Examination , Imbutu Foundation	2016

WORK EXPERIENCE

Bolingo Consult – Kigali, Rwanda (Global Presence: USA, Ghana, Rwanda) **Feb 2025 – Present**

Content & Technical Manager

- Lead the development of *Kingura Learning Platform*, focusing on frontend and mobile application architecture using different programming languages like react, react native, next and SQL .
- Manage a team of software engineers building a comprehensive *Vendor Management System*.
- Direct the technical team responsible for maintaining and enhancing *the Bolingo Consult* corporate website.
- Oversee testing, quality assurance, and continuous improvement across all company software platforms.

Ministry of Agriculture and Animal Resources – Kigali, Rwanda

Sept 2024 – Jan 2025

Mobile Developer

- Contributed to the development of the Rwandan Agriculture Management Information System (AMIS).
- Delivered key mobile modules for Farmland Management, Commodity Exchange, and Livestock Services.
- Collaborated with the backend team to integrate and iterate API endpoints within a Flutter-based mobile application.

Afriradar – Remote, Africa

July 2024 – Sept 2024

Head of Technical Team

- Led the technical team in developing and delivering scalable, user-friendly platforms that highlight African innovation including the company's website.
- Oversaw all technical projects and ensure alignment with organizational goals through cross-functional collaboration.

Rwandan Diaspora in Ghana – Accra, Ghana

Sept 2021 – Sept 2022

General Secretary

- Led the coordination of community activities, managed official correspondence, and maintained accurate meeting records
- Organized impactful events and seminars, fostering engagement and unity among members
- Collaborated with the executive committee to implement strategies that boosted membership and program participation.

PROJECTS AND RESEARCH

Impact of Accuracy on Speech-to-Text Usability for Dyslexic Students in Ghana **Jan 2024 – Aug 2024**

Full Stack Developer/Team Lead/Researcher

- Developed and implemented three speech-to-text systems with varying accuracy levels, using Python for model training and data cleaning, to determine the best system for dyslexic students in Ghana
- Conducted testing with dyslexic students on these systems, collected feedback, and analyzed the results to address the research question on system usability and accuracy.

Ashesi Natembea Health Center Online
Full Stack Developer/Team Lead/Researcher

Jan 2024 – Aug 2024

- Led the development of a fully functional online health center system for students and staff, overseeing both frontend and backend development.
- Managed the project workflow using Jira and implemented a robust database system with MySQL, ensuring seamless access to health services and efficient data management.

African Languages Sentiment Analysis
Software developer

Jan 2023 – April 2023

- Designed the model for sentiment analysis of Hausa, Twi, and Nigerian Pidgin using neural network architecture using Python
- Optimized data analysis by processing data to enhance adoption of Natural Language Processing technologies in African businesses

Airline ticket booking and tracking System
Database and frontend developer

Feb 2021 – Mar 2022

- Designed the system's user interface in Figma and created the ER diagram to model the database structure
- Developed the frontend using CSS and JavaScript, enabling users to track, book, and pay for tickets through an intuitive and responsive website

CO-CURRICULAR ACTIVITIES

Ashesi University, Ashesi Robotics Experience
Mentor

Sept 2020 – Aug 2024

- Mentored 5 high school students for 1 week and helped them design a Robotic Tour Guide
- Supervised and evaluated group projects and weekly tasks

Ashesi University, Ashesi Female Football Association
A player

Sept 2020 – Aug 2024

- Competed in all university leagues and won different cups and medals and received the Ustun Award as the Playmaker of the Year in 2023.
- Contributed to team strategy and performance, demonstrating leadership and teamwork on the field

Ashesi University, Ashesi Volleyball Association
Coach

May 2022 – Aug 2024

- Coordinate and lead strategic training sessions for the Panthers volleyball team, contributing to multiple victories in Ashesi University volleyball leagues
- Develop and implement coaching strategies to enhance performance, resulting in consistent victories.

Ashesi University, Future of Africa
A member

Jan 2020 – Aug 2024

- Member of Future of Africa at Ashesi University, supporting weekly outreach to street-connected children through food distribution and mentorship.
- Helped coordinate health screenings and facilitated transitions into safe housing and school enrollment for selected children.
- Helped coordinate health screenings and facilitated transitions into safe housing and school enrollment for street children

SKILLS

- **Programming Languages & Frameworks:** Proficient in SQL, Python, Java, C++, R, Dart, JavaScript, PHP, HTML, CSS, React, Django, Flask, Node.js, Flutter
- **Tools & Software:** Advanced proficiency in Microsoft Word, Excel, PowerPoint; Canva, Jira, Notion, Adobe Captivate, Articulate Storyline, Google Analytics, Tableau
- **Related Courses:** Object-Oriented Programming (OOP), Data Structures and Algorithms, Algorithms and Design, Web Technologies, Software Engineering, Database Management Systems, Artificial Intelligence & Natural Language Processing, Computer Organization and Architecture, Operating Systems, Data Networks and Communication, and Information and Security Systems.
- **Soft Skills:** Analytical Thinking, Effective Communication, Attention to Detail, Debugging and Troubleshooting, Time Management, Agile Team Collaboration, Adaptability to New Technologies, Requirement Analysis, User-Centered Design Thinking, Data-Driven Decision Making, Technical Writing & Documentation
- **Languages:** English (Fluent), French (Intermediate), Kinyarwanda (Native)

REFERENCES

Available upon request

*** A-Level – Advanced Level Examinations**