

ABA FAMOUS MAWULENU KWAKU

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PROFILE

I am a resourceful and innovative Computer Engineering Student at KNUST with a strong foundation in software development, embedded systems and IoT solutions. I am experienced in managing technical projects, database design, and community-focused research. Proven leadership in student organizations and a passion for creating inclusive, technology-driven solutions. I am skilled in graphic design, team collaboration, and problem-solving, with growing expertise in programming and electronics prototyping.

EDUCATION

BSc. Computer Engineering **Expected September 2026**
Kwame Nkrumah University of Science and Technology (KNUST), Kumasi, Ghana

W.A.S.S.C.E (General Science) **September 2019 – September 2022**
Mawuli School, Ho – Volta Region, Ghana

WORK EXPERIENCE

**Computing and Career Technology Tutor, Living Faith Preparatory School, Sogakofe – V/R
July 2022 – December 2022**

- Taught core computing concepts including basic programming, word processing, and internet safety to junior and senior students.
 - Guided students in hands-on activities involving educational software and basic hardware troubleshooting.
 - Assisted in developing lesson plans and instructional materials aligned with school's computing curriculum.
 - Evaluated student progress and provided individual support to improve learning outcomes in computing.

ACHIEVEMENTS/AWARDS

Most Innovative Student, Second Runner-Up 2023 ACES KNUST

PROJECTS/RESEARCH EXPERIENCE

Database Designer & Administrator – TekMart: An online (mobile app) market place for Student Entrepreneurs at KNUST

- Designed and managed the app's database structure to support user accounts, product listings, and transactions
- Ensured data integrity, security, and efficient performance across mobile platforms

Project Manager – BookInn: A mobile app that simplifies booking all types of accommodation.

- Led the end-to-end development and coordination of the app, from concept design to deployment
- Managed a cross-functional team, ensuring timely delivery, feature alignment, and user-focused design.

Embedded Systems developer- EDen: An IoT Security System

- Ensured reliable communication between IoT devices and central system for real-time monitoring.

Researcher - Electronic Warfare (Drone Technology): A study on the role of drone technology in modern electronic warfare

- Focused on the design, deployment, and operational use of drones in surveillance and tactical missions.
- Evaluated drone hardware and flight systems.

PROFESSIONAL TRAINING/ CERTIFICATIONS

Information Communication and Technology Course in Computer Software	October 2022 - December, 2022	Mab. J. Computer Services
Text Animation and Video Editing Course	November 2022	JOAK MYJOY IT SERVICES
Ethical Hacking for Beginners	November, 2022	SkillUp by Simplilearn

LEADERSHIP EXPERIENCE

Organizing Secretary,

Association of Computer Engineering Students – KNUST (October 2024 – Present)

- Coordinated events, workshops, and seminars to promote academic and professional development among members of the association.
- Managed logistics, scheduling and communication for student-led initiatives and industry engagement programs.

Deputy Coordinator, Innovation Hub

Association of Computer Engineering Students – KNUST (January 2024 – August 2024)

- Supported the planning and execution of tech-driven projects, hackathons, and innovation challenges within the student community.

Committee Member, Arduino Club

Association of Computer Engineering Students – KNUST (January 2024 – August 2024)

- Participated in organizing hands-on workshops and tutorials focused on Arduino-based projects.
- Assisted in mentoring members on circuit design, microcontroller programming and real-world prototyping.

VOLUNTARY/EXTRA-CURRICULAR ACTIVITY

- **Graphic Designer, Untamed Voices (March 2025-Present)**
 - Collaborated with the creative team to maintain consistent visual identity and support promotional campaigns.
- **Graphic Designer, Techten Planet (March 2024-December 2024)**
 - Created engaging graphics for tech-related content, social media, and marketing materials.
- **Volunteer – IoT Meetup May 2024**
 - Assisted with event setup, registration and coordination during sessions focused on emerging IoT technologies.
 - Engaged with attendees and speakers to support smooth networking and knowledge-sharing experiences.
- **Facilitator, SWDA-KNUST General Meeting**
 - Delivered an inclusive, hands-on training session on PowerPoint basics tailored to the needs of students with disabilities.
- **Volunteer – Documentary Project, Mepe, V/R Untamed Voices**
 - Assisted in filming and production of a community-focused documentary highlighting challenges in Mepe, including lack of access to potable water, inadequate teaching staff and poor school infrastructure.

SKILLS AND ABILITIES

- Proficient in the use of computer software such as MS Office
- Basic knowledge of Python, C++, and Database tools like PostgreSQL
- Strong technical and problem-solving skills
- Proficient in the use of Adobe products like Adobe Photoshop

REFERENCES

Mr. Yovo Vincent Kwamivi
UNTAMED VOICES
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