



DELPHINE MAWULI SAM



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EDUCATION

BACHELOR OF SCIENCE, COMPUTER SCIENCE

Ghana Institute of Management And Public Administration(GIMPA),Accra,Ghana
July 2026

- Chair Person, GIMPA SRC Media And Tech Committee
- Initiator and Student Lead Organizer of GIMPA Tech Fair And Industry Showcase.
- Member of GIMPA Association Of Technology Students, 2024 to 2026

BACHELOR OF SCIENCE, ACCOUNTING
Wisconsin International University College,Accra,Ghana
November,2021

CERTIFICATIONS

- Intro to Machine Learning, Kruggle
- Intermediate Machine Learning,Kruggle

PROFESSIONAL SUMMARY

Aspiring automotive engineer with a multidisciplinary background in Computer Science, Operations Management, Animation, and Accounting. Experienced in software development using JavaScript, TypeScript, Next.js, NestJS, PostgreSQL, and related technologies, as well as coordinating projects and operational workflows. Familiar with basic CAD and supported by academic coursework in robotics, electronic circuits, embedded systems, systems modelling and simulation, and mathematics. Bringing a combination of technical, analytical, and creative problem-solving skills while building a career in vehicle design, manufacturing, and assembly.

SELECTED ACCOMPLISHMENTS

- Delivered a poster presentation on “AiShifters: Conceptualizing the Future Workforce for AI and Automated Industries in the Global South: A Case Study of Ghana” at iCAD 2026, Anglia Ruskin University, UK.
 - Designed and developed the GIMPA Virtual Learning Environment, a web-based video conferencing and learning management platform supporting teaching and learning activities.
 - Initiator & Student Lead Organiser of the GIMPA Tech Fair and Industry Showcase, leading the planning and execution of a technology-focused event connecting students with industry professionals and technology organisations.
 - Founder & Lead Developer of Space, independently designing and developing a multi-workspace platform for individuals and organisations, including its core frontend, backend, authentication, workspace management, and administrative functionality.
 - Team Lead & Developer - Log Radar | Global Entrepreneurship Festival 2025
- Led a team of GIMPA students in the AI Cyber Defence Hackathon to develop Log Radar, an AI/ML-powered cybersecurity solution built with Python, machine learning, and LLaMA for analysing system and network logs, detecting anomalous and potentially malicious behaviour, and supporting remote threat detection and mitigation; the team placed 2nd in the competition.

TECHNICAL & PROFESSIONAL SKILLS

SOFTWARE DEVELOPMENT

- JavaScript (ES6+)
- TypeScript
- Next.js
- NestJS
- Node.js
- PostgreSQL
- Git & GitHub

ENGINEERING & DESIGN

- SolidWorks
- CAD / Basic CAD
- Welding
- Software Prototyping
- Figma
- Adobe Photoshop

AI, RESEARCH & ANALYSIS

- Machine Learning
- Analytical Thinking
- Problem Solving
- Technical Documentation

PROJECT & OPERATIONS

- Project Coordination
- Operations Management
- Time Management
- Team Collaboration
- Microsoft Office
- Technical Documentation

WORK HISTORY SUMMARY

MAY 2025 - CURRENT

Research Assistant - Purpose Software Innovations Research Centre
Accra, Ghana

- Contribute to ongoing research activities in software innovation, emerging technologies, and technology-driven solutions.
- Assist with the identification, collection, organization, and analysis of information relevant to research projects.
- Developed research protocols to streamline experiment processes and improve efficiency.
- Collaborated with cross-functional teams to align project objectives and deliverables effectively.
- Mentored junior researchers on best practices for data management and analysis techniques.
- Enhanced participant recruitment strategies, leading to more diverse and representative study samples.
- Contribute to the practical development and testing of technology-focused solutions arising from research activities.
- Assist with documenting research findings, technical observations, and project-related outputs.
- Support the translation of research ideas into practical software and technology applications where required.

JUNE 2025 - MAY 2026

Software Developer (Intern) - Ghana Institute Of Management And Public Administration (GIMPA)

Accra, Ghana

- Designed and developed the GIMPA Virtual Learning Environment (VLE) from concept to implementation to support online teaching, learning, and academic administration.
- Built the frontend and backend of the application using JavaScript, TypeScript, Next.js, NestJS, PostgreSQL, HTML, CSS, and REST APIs.
- Designed and implemented the database structure, authentication system, and role-based access control for different categories of users.

- Developed core platform features to support course delivery, user management, and academic activities.
- Tested, debugged, and maintained the application to improve performance, security, and reliability.
- Worked directly with stakeholders to understand system requirements and translate them into functional software solutions.
- Managed source code using Git and maintained technical documentation throughout the development process.

MAY 2025 - MAY 2026

Teaching Assistant - Ghana Institute of Management And Public Administration (GIMPA)

Accra, Ghana

- Support Emmanuel Kwesi Baah, Data Structures and Artificial Intelligence Lecturer at Lancaster University and Adjunct Lecturer at GIMPA, with academic and instructional activities.
- Prepared and delivered tutorials, practical sessions, and instructional activities for students.
- Provide academic support to students by explaining course concepts, assisting with problem-solving, and guiding them through practical exercises.
- Support students in applying theoretical concepts to practical computing and programming tasks.
- Assist with student engagement and learning activities related to computing courses.

DECEMBER 2016 - JUNE 2026

Operations Manager - Monimation

Accra, Ghana

- Supervised operations staff and kept employees compliant with company policies and procedures.
- Oversaw facility maintenance, ensuring optimal functionality of equipment and infrastructure at all times.
- Facilitated smooth collaboration between departments through clear communication channels.
- Managed budgets effectively, consistently delivering projects on-time and within financial constraints.
- Developed and implemented strategies to maximize customer satisfaction.
- Handled staff training initiatives aimed at upskilling the workforce to meet dynamic industry demands.
- Directed initiatives to improve work environment, company culture or overall business strategy.
- Increased profit by streamlining operations.
- Spearheaded process improvements, resulting in increased productivity and reduced operational costs.
- Led successful change initiatives, ensuring seamless transitions during organizational restructuring efforts.
- Assisted in recruiting, hiring and training of team members.
- Trained and guided team members to maintain high productivity and performance metrics.

NOVEMBER 2021- SEPTEMBER 2022

Accounts & Payroll Associate (NSS) - Ghana Armed Forces (5BN)

Accra,Ghana

- Handled sensitive information discreetly, maintaining strict confidentiality at all times as required by company policy or legal regulations.
- Reduced errors in payroll records by diligently reviewing and verifying employee information.
- Prepared comprehensive payroll reports for management review, allowing informed decision-making regarding budgetary adjustments.
- Coordinated day-to-day operational activities to support efficient team workflows.
- Provided administrative support to the pay office, including filing, responding to inquiries, and organizing financial records.

JANUARY 2019 -JUNE 2019

Administrative Assistant - Academic Affairs - Maranatha University College

Accra,Ghana

- Answered multi-line phone system, routing calls, delivering messages to staff and greeting visitors.
- Delivered excellent customer service through prompt responses to client inquiries, addressing concerns effectively, and building strong relationships.
- Improved document organization with thorough file maintenance, archiving outdated records as necessary for efficient retrieval when needed.
- Coordinated office supply inventory management, proactively ordering necessary items before depletion to avoid workflow disruptions.
- Provided administrative support to faculty and departmental staff, including scheduling meetings, managing documents, and preparing official correspondence.

JANUARY 2016 -JANUARY 2017

Patient Reception and Records Officer - Geomed Diagnostics Center

Accra,Ghana

- Answered telephone and in-person inquiries regarding lab services, test results, and procedures with professionalism and confidentiality.
- Maintained accurate records and documentation to support operational efficiency.
- Processed payments, issued receipts, and balanced daily transactions in collaboration with the finance department.
- Supported administrative tasks including filing, email correspondence, report printing, and internal communication with lab technicians.

REFERENCES AVAILABLE ON REQUEST

