



EMMANUEL KAMANDA

ELECTRICAL AND ELECTRONIC ENGINEER

CONTACT

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EDUCATION

2018 - 2023

FOURAH BAY COLLEGE,
UNIVERSITY OF SIERRA LEONE

First Class B. ENG (Hons)
Electrical and Electronic
Engineering

SKILLS

- Web and App Development
- Python Django
- Python Flask
- React Native
- Node JS
- 3D Printing
- PHP
- React JS
- Flutter
- MATLAB

PROFILE

Innovative and results-driven Electrical and Electronic Engineer with a strong background in web development, software development, and cybersecurity. During my tenure as the Innovation Specialist at Kamara Yokie Innovation Center, I spearheaded technological advancements and fostered a collaborative environment for young innovators. With a proven track record of leadership, including roles as President and Chief Technology Officer at the Engineering Society, I have successfully managed large-scale projects, organized high-impact events, and established key partnerships. My passion for teaching and mentorship is reflected in my extensive volunteer work, including mentoring at global robotics competitions and organizing community-based technology initiatives. Committed to leveraging my technical skills and leadership experience to drive innovation and make a positive impact in the tech industry.

WORK EXPERIENCE

Easy Solar

OCTOBER 2022 - FEBRUARY 2024

DevOps Engineer Intern

- Implement integrations requested by internal and external departments
- Maintaining the deployment pipelines and the running system in a secure, stable, and easy-to-use way
- Automating Task

Kamara Yokie Innovation Center

JANUARY 2023 - MAY 2024

Innovation Specialist

- Spearhead the development and implementation of innovative projects and initiatives aimed at fostering technological advancements within the community.
- Collaborate with cross-functional teams to identify emerging trends, technologies, and opportunities for innovation.
- Conduct thorough research and analysis to support the ideation and development of new products and services.
- Facilitate brainstorming sessions and workshops to generate creative solutions and strategies.
- Develop and maintain partnerships with industry leaders, academic institutions, and other stakeholders to drive innovation and collaboration.

STEAD Society - Student Organization

2019 - PRESENT

Chief Technology Officer

- Build and test application
- Analyse and review existing technology and systems for improvement
- Build and oversee applications, data, and security strategy
- Developing and implementing data protection and quality assurance processes
- Deciding on a new technology to build a new application

- Electronics Lab
- Drone Pilot
- Multisim
- Graphics Design
- Time Management
- Leadership
- Critical Thinking

PROJECTS

- HR Management System
- Fast Food Restaurant System
- actb Bank Website
- IOT Base Circuit Breaker
- Smart WastBin Management System
- Vex Robotics

ACHIEVEMENTS

- 2nd Best Graduating Student, Electrical and Electronic Department 2023
- Licensed Drone Pilot 2023
- Winner Pico CTF 2021
- Winner Generation Unlimited Challenge 2022
- Tourism Hackathon by Sensi 2021

Engineering Society, FBC

SEPTEMBER 2022 - NOVEMBER 2024

President

- Provided visionary leadership and strategic direction for the Engineering Society, guiding its growth and development.
- Represented the society at official functions, events, and meetings with stakeholders, ensuring a strong and positive presence.
- Coordinated and oversaw the planning, organization, and execution of society events, including workshops, seminars, competitions, and social activities.
- Fostered a collaborative and inclusive environment within the society, encouraging active participation and engagement from all members.
- Managed the society's executive committee, delegating tasks and responsibilities to ensure smooth operations and effective teamwork.

Engineering Society, FBC

MAY 2021 - SEPTEMBER 2022

Chief Technology Officer

- Led the technology strategy and operations for the Engineering Society, ensuring alignment with organizational goals and objectives.
- Managed and oversaw the development, implementation, and maintenance of technology systems and infrastructure.
- Coordinated with various committees and teams to integrate technology solutions that enhanced the society's activities and events.
- Conducted technology assessments and provided recommendations for improvements and upgrades.
- Supervised a team of technical volunteers, providing guidance and support to ensure successful project execution.

Jane Peters Entertainment

APRIL 2018 - OCTOBER 2019

Sound Engineer

- Managed and operated sound equipment for live performances, recordings, and events, ensuring high-quality audio output.
- Collaborated with artists, producers, and directors to understand their sound requirements and deliver optimal audio solutions.
- Set up and tested sound systems, including microphones, speakers, mixing consoles, and other audio equipment, prior to events and recordings.
- Monitored and adjusted sound levels during performances and recordings to maintain clarity and balance.
- Troubleshooted and resolved technical issues promptly to minimize disruptions and maintain smooth operations.

VOLUNTEERING EXPERIENCE

Robotics Coach and Mentor

MAY 2024

Vex IQ, Dallas, Texas

- Supported student teams in preparing for and participating in the Vex IQ robotics competition.
- Provided technical advice and troubleshooting assistance to ensure teams' robots met competition standards.
- Conducted training sessions on various aspects of robotics, including design, programming, and strategy.
- Fostered a positive and motivating environment for students, promoting confidence and skill development.

HOBBIES AND INTERESTS

- Robotics
- Technology
- Teaching and Mentorship
- Innovation
- Music Production
- Community Involvement
- Video Game
- 3D Printing
- Drone Technology
- Traveling

Field Resetter

APRIL 2024

VexU Competition, Dallas, Texas

- Efficiently reset the competition field between matches, ensuring all game elements are in their correct positions.
- Worked closely with the competition organizers and referees to maintain smooth and timely transitions between matches.
- Assisted in setting up and breaking down the field before and after the competition.
- Ensured compliance with VexU competition standards and safety protocols during field resetting.

Robotics Coach and Mentor

OCTOBER 2023

First Global 2023, Singapore

- Led the technology strategy and operations for the Engineering Society, ensuring alignment with organizational goals and objectives.
- Managed and oversaw the development, implementation, and maintenance of technology systems and infrastructure.
- Coordinated with various committees and teams to integrate technology solutions that enhanced the society's activities and events.
- Conducted technology assessments and provided recommendations for improvements and upgrades.
- Supervised a team of technical volunteers, providing guidance and support to ensure successful project execution.

Volunteer

JUNE 2022

The Sierra Leone Institution of Engineers (SLIE)
Biennial Conference 2022

- Assisted in the planning and coordination of the biennial conference, ensuring all logistical aspects were handled efficiently.
- Provided support to conference attendees, including registration assistance, information dissemination, and guidance throughout the event.
- Helped set up and manage conference venues, ensuring that all technical and audio-visual equipment was properly configured and functional.
- Coordinated with speakers and presenters to ensure their needs were met and their sessions ran smoothly.

REFERENCE

Dr. Samba Sesay

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