

JESSICA

O. ANSA-ASARE

From Junior Engineer to Senior Energy Engineer.

PERSONAL PROFILE

Master's student in Electrical Engineering specializing in Smart Grids and Buildings, with strong quantitative and analytical skills. Experienced in energy system optimization, power market analysis, and renewable energy integration. Passionate about contributing to energy flexibility through all these mechanisms.

PROFESSIONAL EXPERIENCE & PROJECTS

Laboratoire de génie électrique de Grenoble, Grenoble, France

Intern | June 2024 - August 2024

- Conducted a comprehensive study on Vehicle-to-Home (V2H) technology using agent-based modeling to analyze its impact on energy consumption, peak load reduction, and renewable energy utilization within a hypothetical energy community.

Trinitylinks Engineering Limited, Accra, Ghana

Project Supervisor (Full-time) | October 2022 - August 2023

- Worked within a 5-member team to ensure electrical and mechanical projects met client specifications and complied with government regulations while managing project timelines effectively.

Rock Africa Limited, Accra, Ghana

Volunteer - National Service | November 2021 - September 2022

- Assisted in implementing an automatic tank and pump gauging system for fueling stations across Ghana, involving infrastructure modifications, tank lid adjustments, and installation of monitoring cabinets.

EDUCATION

Master of Science Electrical Engineering (Smart Grids and Buildings)

Grenoble INP, Grenoble, France | September 2023 - June 2025

Bachelor of Science Electrical/Electronic Engineering (Honours)

Kwame Nkrumah University Of Science And Technology, Kumasi, Ghana | September 2017 - November 2021

TECHNICAL SKILLS

Programming, Data Analysis & Management:

Python, MATLAB, LaTeX, Git (github & gitlab), Machine Learning & Artificial Intelligence

Electrical Engineering tools:


AutoCAD Electrical, Eagle, PowerFactory, Simulink, SolidWorks, TIA Portal, Multisim

Energy Systems:


Renewable Energy Optimization, Energy Flexibility Analysis



CONTACTS

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AGE: 25

LANGUAGES:

English (native)

French (A2 - B1)

CERTIFICATIONS

Ghana Red Cross Society, Accra, Ghana
May 2023
Practical first-aid

Ebecks Systems, Accra, Ghana
March 2023 - October 2023
NEBOSH International General
Certificate in Occupational Health
and Safety