

Jamil Kammoun

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Professional Summary

Electrical Engineering graduate with a Bachelor of Science (BS) from the University of Balamand, currently pursuing a Bachelor of Engineering (BE). Hands-on experience in transformer testing, high-voltage substations, protection systems, and AI-based engineering projects. Passionate about power systems, transformer testing, control systems, and electrical design. Strong analytical, problem-solving, and teamwork skills with the ability to adapt quickly in industrial environments.

Education

University of Balamand, Lebanon

Bachelor of Engineering (BE), Electrical Engineering

In Progress

Bachelor of Science (BS), Electrical Engineering (Fall 2025)

Completed

Professional Experience

Electrical Engineering Intern – Matelec S.A.L.

Summer 2026

- Performed routine electrical tests on distribution transformers according to IEC standards.
- Assisted in testing power transformers during manufacturing and quality assurance processes.
- Conducted transformer routine tests including:
 - Winding Resistance Test
 - Transformer Turns Ratio (TTR)
 - Insulation Resistance Test
 - No-Load Current and No-Load Loss Test
 - Load Loss and Short-Circuit Impedance Test
 - Dielectric and Routine Electrical Tests
- Recorded, analyzed, and documented test results while ensuring compliance with quality procedures.
- Worked closely with testing engineers during factory acceptance and transformer validation.

Founder & Technical Lead

2025–Present

Energex Global Solutions (EGS), Lebanon

- Founded a smart energy and home automation initiative focused on IoT-based electrical solutions.
- Developed and tested smart home systems, including automation devices and energy solutions.

Electrical Engineering Intern – RayGroup, Niamey, Niger

Aug 2024 – Sep 2024

- Completed industrial training in high-voltage substations.
- Worked with GIS and AIS substations.
- Assisted in protection and control panels.
- Participated in cable distribution and high-voltage equipment installation.
- Gained practical knowledge of electrical power systems and substation operations.

Academic Projects

AI Smart Glasses for Speech and Sign Language Translation

- Developed an AI-powered smart glasses concept capable of translating speech into sign language and sign language into speech in real time.
- Combined embedded systems, artificial intelligence, and computer vision technologies.

Technical Skills

Power Systems & Electrical Engineering: Transformer testing, power systems, protection and control, high-voltage engineering, electrical machines, power electronics, control systems, electrical installations, signal processing.

Software: AutoCAD, MATLAB/Simulink, LabVIEW, Ecodial, Dialux, Multisim, Proteus, Quartus, MPLAB, and Microsoft Office Suite (Word, Excel, PowerPoint, Access).

Programming: C, C++, MATLAB, MPASM Assembly, and LaTeX.

Professional Skills: Analytical thinking, problem-solving, teamwork, leadership, adaptability, time management, communication, and self-learning.

Leadership & Activities

IEEE Student Branch — University of Balamand

Treasurer

Aug 2023 – Jun 2024

- Served as Treasurer of the IEEE Student Branch.
- Board awarded **Club of the Year** in 2024.

Languages

- Arabic — Native
- English — Professional Proficiency
- French — Professional Proficiency