

# Nour Fassad

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## EDUCATION

### Lebanese University

*Bachelor's of Engineering in Electrical and Electronics*

Hadath, Lebanon

Sep 2020 - Present

## RELEVANT COURSES

- Electric Machines, Electric Drives, Power Electronics, Mechatronics, Computer Vision, Microprocessors, Control Theory, Signal Processing, Operational Research, Fuzzy Logic, Industrial Automation.

## EXPERIENCE

### Hardware Engineer Intern

*Ozolion*

February 2025

*Remote*

- Involved in the full product development cycle, from concept to prototyping and testing.
- Defined functional requirements and worked on hardware integration.

### MEP Engineer

*Manoukian EPQS and Construction Management*

October 2024 – January 2024

*Beirut, Lebanon*

- Verified electrical designs using AutoCAD, identified missing components, and reduced cost errors.
- Mentored interns to automate cost take-offs and increased overall project efficiency by 10 percent

### Electric Vehicles Intern

*Lebanese University – Faculty of Engineering*

July 2024 – December 2024

*Beirut, Lebanon*

- Led the motor retrofit process for ICE vans; researched the design requirements, efficiency, and cooling systems
- Modeled the Motor and Battery Management System using Fusion and Simulink

### Full-scale Retrofit Intern

*Grfn and Association of Energy Engineers*

July 2024 – August 2024

*Beirut, Lebanon*

- Conducted full-scale energy audits and verified adherence to energy standards and regulations.
- Evaluate HVAC, lighting, insulation, and equipment for inefficiencies.
- Participated in Energy and Sustainability workshops and Masterclasses on water conservation, sustainable design, and zero waste.

### Robotics Intern

*The Little Engineer*

July 2023 – September 2023

*Beirut, Lebanon*

- Taught 100+ students aged 7-18 to build robots using Python and Fusion.
- Conducted hands-on sessions on renewable energy and AI and developed courses in the R&D department.

## SKILLS

**Programming:** C, C++, C#, Java, Python, HTML, CSS, JavaScript, SQL, Assembly

**Software:** SolidWorks, Office, AutoCAD, Visual Studio, Proteus, TinkerCAD, MATLAB, Packet Tracer, LabVIEW, PSpice, Fusion, ROS2, ANSYS STUDENT

**Hardware:** Arduino, PIC18Fxx, MIPS, PLC, ESP32

**Languages:** English, Arabic, French

**Communication:** Public speaking, customer service, adaptability

**Presentation:** Creativity, organization

**Teamwork:** Project management, collaboration, leadership, conflict resolution

## VOLUNTEERING

### IEEE

IEEE SB Secretary

IEEEExtreme Ambassador

IEEE Day Ambassador

YP Lebanon Volunteer

### Lebanese Red Cross – Youth Sector

Monitoring and Evaluation

Environment Program

Capacity Building

### All Girls Code

Technical Team

Executive Team