

Fatima Fadi Atwi

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EDUCATION

From 09/2021 to 07/2026	Faculty of Engineering, Lebanese University, ULFG-III Bachelor degree in Electrical and Electronics Engineering	Beirut, Lebanon
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RELEVANT COURSEWORK

Computer Science & Algorithms, Signal Theory, Microprocessors, Logic Circuits, Physics Of Electronic Devices, Electronics, OR, OOP, Algebra, Introduction to Artificial Intelligence, Modern Robotics, Automatique

EXPERIENCE

Competitive Coders LB - Beirut, Lebanon <u>Position held: Co Founder</u>	01/2025 - Present
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- Cofounded CCLB, a Lebanese academy that aims to teach school students competitive programming
- Contributed in organizing events and deals, developing the curriculum and conducting sessions

Kalimat - Beirut, Lebanon <u>Position Held: Robotics Tutor - Coach</u>	04/2023 - Present
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- Teach Robotics & Coding classes a variety of objectives
- Mentor teams participating in national and international Robotics contests
- Contribute in developing an interactive curriculum for Arduino and Ev3 classes

Vanrise - Beirut, Lebanon <u>Position held: Full Stack Software Development Intern</u>	07/2024 – 09/2024
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- Developed a fully functional Client & Device Management System (Telecom Operator) implementing CRUD operations, mainly using Angularjs, Bootstrap, MSSQL, and Asp.net

Lebanese University - Faculty of Engineering - Beirut, Lebanon <u>Position held: Electrical & Electronics Engineering Trainee</u>	07/2024 - 09/2024
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- Collaborated within a team to reactivate the weather station present in our faculty, from inspecting the electrical connections & devices, to creating a program that reads the values continuously, saves them on the server, and displays them in tailored charts via a friendly UI.

PROJECTS ACCOMPLISHED & PRIZES WON

• Robotics & AI:

1. Collaborated with a partner to invent “*Novel Nebula*”: a futuristic smart library with an adaptive lighting system, an assistant robot, & an interactive website, achieving an excellent grade (95/100) and ranking (1/82)
2. Led the development of “*COBOTS*”, a pioneering smart automated delivery & sorting system, achieving 1st place in the 2019 WRO Lebanon & 14th place internationally in Hungary 2019 WRO Finals

• Software Development & Machine Learning:

1. Ranked 6th nationally in the IEEEExtreme 2024 & top 800 (/8780) globally
2. Won the 1st rank in NASA Space Apps Lebanon 2024 by collaborating within a team to create FlutterForecast, an AI-powered platform that leverages earth observation data for informed agricultural decision-making
3. Developed LunaQuake: a program that filters seismic data from NASA’s Apollo lunar missions and detects the start of a quake and its characteristics leveraging both signal processing and ML-based techniques
4. Built and trained multiple ML models during Stanford’s Machine Learning Specialization which I’ve completed
5. Collaborated with a partner to develop “*Novel Nebula*”: a social media platform dedicated to bookworms

SKILLS SUMMARY

Experienced with: C, C++, C#, python(ML frameworks; TensorFlow/PyTorch..), Arduino, Raspberry pi, HTML, CSS, JS, React.js, AngularJs, MySQL, Node.js, Asp.net, Proteus, MS office, Photoshop, Krita, Matlab, Packet Tracer

Languages: Bilingual English and Arabic, upper intermediate in French

Soft skills: Problem solving & critical thinking, Communication, Teamwork, Leadership, Management, Innovation

ACTIVITIES

IEEE Faculty Branch, Member (Oct 2022 – Present)
Private Tutor, Volunteer (Oct 2021 – Present)

INTERESTS

Competitive programming, AI research, Robotics Projects, Graphic Design, Chess