

Mohamad Alzhor

+961 71 350 786 | mohamadalzhor01@gmail.com | [LinkedIn](#) | [GitHub](#) | [mohamadalzhor](#) | Sidon, Lebanon

EDUCATION

Lebanese American University, Bachelor of Engineering in Electrical Engineering *Sep 2021 – May 2025*

- Received the prestigious USAID HES scholarship, awarded to only 83 students across Lebanon.
- Maintained a 3.84/4 CGPA with High Distinction and Enrolled in the university Honors program.
- Actively participated in Google Developer Student Club, IEEE Club, and monthly workshops.

PROFESSIONAL EXPERIENCE & INTERNSHIPS

Emertxe - Institute for Embedded Systems & IoT, Virtual Internship *Mar 2023 – May 2023*

- Acquired further proficiency in C++ programming language and Arduino microcontroller.
- Successfully completed and presented a Home Automation project, applying theoretical knowledge.

Temperature and Humidity Controller for Poultry Farms *Ongoing*

- Developed and deployed an Arduino-based temperature control solution using C++ for a 14,000-chicken farm, with guidance from an experienced electrical engineer specializing in the poultry domain.
- Provided ongoing system maintenance and troubleshooting for a full year, ensuring uninterrupted functionality.
- Optimized the codebase while introducing a modular framework to cater to diverse client requirements.

PROJECTS

Learning Management System for an Elementary School NGO *Aug 2023 – Oct 2023*

- Developed, in a team of two, a user friendly LMS for an elementary school.
- Gained proficiency in **React, Node.js, SQL**, and **Git** while developing the LMS.

Calendar Widget for Qtile Window Manager, Personal Project *Aug 2023 – Sept 2023*

- Designed a custom widget, for the Linux windows manager Qtile, that seamlessly integrates with Google Calendar to show event names and scheduled times on Qtile Bar for enhanced productivity, time management and increased focus.

IOT based Home Automation Solution *Mar 2023 – May 2023*

- Designed and programmed, using C++, an Arduino-based Home Automation system for efficient energy management.
- Integrated remote control via a mobile app for user monitoring and adjustments by using **Blynk Software**.

ACHIEVEMENTS

LAU Case Competition, Finalist *Mar 2023 – Jun 2023*

- Lead a team of four to the finals among approximately 40 finalists out of 350+ participants, showcasing dedication and teamwork in addressing a diverse range of challenging consulting cases. Notably, with one case devising viable strategies to enhance Google's AI Bard in its competition against ChatGPT.

Lebanese General Sciences Baccalaureate, Shehim Offical High School *Sep 2020 – Aug 2021*

- Ranked 15th out of 40,000 students in Lebanon with a score of 18.61/20.

VOLUNTEERING

Chain of Education, Intervention Program, Website Designer and Manager *Nov 2022 – Present*

- Designed and maintained an LMS WordPress website for a tutoring NGO.

LAU, USAID HES PROGRAM, Mentor & Tutor & Volunteer *Sep 2022 – Present*

- Tutored Electricity and Magnetism, Probability and Statistics, and Electrical Circuits II courses.
- Ensured 100% passing rate with good academic standing by providing studying and exam taking tips.
- Contributed 220+ hours to volunteer initiatives across Lebanon, supervised by the USAID Program.

SKILLS

Tech-Skills: C++, DSA, SQL, Git, JavaScript, React, Nodejs, Bash, and Linux

Soft-Skills: Agile, Productivity, Continuous Learning, Touch Typing, and Tinkering