

Ali Hammoud

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EDUCATION

Lebanese University - Faculty Of Engineering

Diploma of Engineering – Computer and communication engineering

Beirut, Lebanon

Expected July 2026

- **Relevant Coursework:** Signal Theory, Microprocessors, Data Analysis, Linear Algebra, Operations Research, Probabilities and Statistics, Object Oriented Programming.

WORK EXPERIENCE

Tutoring, provided one-on-one and group instruction for engineering and baccalaureate students, enhancing their understanding of key concepts.

Lebanese University Faculty Of Engineering, completed a one-month internship, the focus was on software development and artificial intelligence. The work involved integrating AI into engineering applications, developing software solutions, and implementing machine learning models for real-world projects.

PROJECTS

Lan Chat, designed and developed a social media desktop application that runs on a local area network, using C#, Windows Presentation Foundation (WPF), and MySQL.

Home Automation System, designed and implemented an IoT-based home automation system with remote monitoring and control using Arduino, ESP32, and a custom-made online server hosted on Amazon Web Services (AWS) Elastic Compute Cloud (EC2).

Water Thermodynamics Simulation, developed a MATLAB-based thermodynamics simulation to analyze the state of water as influenced by temperature and pressure, while also computing various properties of the substance.

COMPUTER SKILLS

Programming Languages: C/C++, C#, MySQL, XAML, PHP, HTML5, CSS, JavaScript, Python, Assembly

Applications: Microsoft Visual Studio, MATLAB, Proteus 8, AutoCAD, Arduino IDE, Packet Tracer, Microsoft Office

CERTIFICATES

Complete Machine Learning & Data Science Bootcamp 2023 (udemy)

The Complete Python Pro Bootcamp for 2023 (Angela Yu)

LANGUAGES

Arabic: MotherTongue

English: Fluent

French: Fluent

EXTRACURRICULAR ACTIVITIES

Student Clubs' Coordinator

- Coordinated the activities and events of various student clubs within the faculty.
- Facilitated communication between club leaders and the faculty administration.
- Provided leadership and guidance to student-led organizations, ensuring adherence to faculty policies and goals.