

# Yasser Wissam Zebian

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Bakaata Al-Chouf

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## Objective

A senior Computer Engineering student at the Lebanese American University with a solid background in computer architecture, logic design, microprocessor programming, and high-level languages like Java and C++. Seeking opportunities to apply technical, analytical, and problem-solving skills in impactful engineering projects while continuing to grow professionally.

## Education

**Bachelor of Engineering in Computer Engineering** *Lebanese American University, Beirut -2027*

- CGPA:3.09

**Lebanese Baccalaureate in General Sciences** *Le Lycée National, Bakaata, Chouf - 2023*

## Projects

**Developed a Database to handle hotel room reservations**

**Fall 2025**

Designed the project's ERD and implemented it in MariaDB, developing strong SQL skills through query optimization and data manipulation in a hotel reservation system.

**C++ Customer Relationship Management (CRM) System**

**Spring 2024**

Developed a CRM platform applying core OOP concepts such as inheritance, polymorphism, and file I/O strengthening system design and debugging skills.

**AM Modulator Design**

**Spring 2024**

Simulated an AM modulation system in LTspice and built it on a physical breadboard, integrating testing, analysis, and reporting.

**3-Stage Elevator Control System**

**Fall 2025**

Developed an elevator system using low level language such as assembly to design a state machine using HCS12 microcontroller and CodeWarrior. Integrated MCCNT underflow internal interrupts to periodically scan internal and external push buttons and manage the elevator movements and keep track of a weight sensor for overload safety. The project emphasized low-level programming, interrupt handling, and real-time embedded system design.

## Technical Skills

**Languages:** C++, Java, Python

**Tools & Platforms:** VS Code, Eclipse, Quartus, CodeWarrior (Assembly), GitHub, MariaDB

**Computer Hardware:** Computer Architecture, Logic Design

**Software Engineering:** Advanced Data Structures, Object-Oriented Programming

**Machine Learning:** Model training and evaluation using NumPy, Pandas, Matplotlib, and Scikit-learn

## Soft Skills

Team Leadership | Critical thinking | Communication | Time management | Problem-Solving

## Extracurricular Activities

**Clubs (LAU, Beirut):** IEEE Artificial Intelligence Club, Robotics Club

**Chouf Marathon (Lebanon):** Volunteered in organization and preparation activities, enhancing communication skills, teamwork, and awareness of mental health.

## Certificates

Certification in fundamentals of deep learning by **NVIDIA**.