

Ranim AbouZeid

Phone Number: +961 70 702 532

Email: ranim.abouzeid@lau.edu

Address: Beirut, Lebanon

Objective:

Third-year Computer Engineering student seeking a Summer 2026 internship to gain practical experience, apply technical and problem-solving skills, and further develop knowledge in the field of computer engineering.

Education

Lebanese American University (LAU), Beirut, Lebanon	Sep 2023 – Expected graduation in May 2027
Bachelor of Engineering in Computer Engineering	

Le Lycée National, Choueifat, Lebanon	Sep 2021 – Jul 2023
Baccalaureate Degree in General Sciences	

Relevant Coursework

Machine Learning
Deep Learning
Large Language Models
Data Structures & Algorithms
Digital Logic Design (VHDL)
Software Engineering Database Systems

Certificates

Prompt Engineering with the OpenAI API – Data Camp (Mar 2026, 4 hours)

Projects

LLM-Based Educational Tutor System — LAU, Lebanon

- Designed an AI-powered tutoring system using Large Language Model concepts to support personalized learning.
- Integrated retrieval-based question answering to provide grounded responses from uploaded educational materials.
- Added student memory features to track preferences, learning gaps, and previous interactions.
- Focused on improving answer relevance, educational usefulness, and adaptive feedback.

Deep Learning ECG Arrhythmia Detection — LAU, Lebanon

- Developed a deep learning model to classify ECG heartbeat signals as normal or abnormal.
- Applied preprocessing, stratified data splitting, dropout, batch normalization, and early stopping to improve model performance.

Custom CRM System – C++ Multithreading (mutexes & thread pools): LAU, Lebanon

- Developed a multi-threaded C++ application using mutexes and thread pools
- Focused on performance, synchronization, and system stability

Database System Deployment – Docker & MariaDB: LAU, Beirut, Lebanon

- Designed and deployed a containerized database system using Docker and MariaDB
- Implemented database initialization, user access control, and persistent storage

Skills

Computer Literacy: MariaDB, Docker, Java, C++, and Python

Languages: Fluent in English, French, and Arabic