

Bader Houran

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EDUCATION

Lebanese American University (LAU), Beirut, Lebanon

Sept 2022 – Expected June 2025

Bachelor of Science in Computer Science

Major GPA: 3.39

Major: Computer Science (CS)

Minor: Business data analytics

Recipient of USAID Scholarship

Related Courses: Introduction to Object-Oriented Programming, Objects and Data Abstraction, Computer Organization, Database Management Systems, Algorithms and Data Structures, Operating System, Digital and Culture, Introduction to data analytics.

CERTIFICATIONS/WORKSHOPS

- **Workshops by the Outreach and Civic Engagement Department at LAU**

Sept 2022 – October 2023

Time Management and Study Skills – Computer Literacy -Team Building and Conflict Resolution - Developing Critical and analytical Thinking - Public Speaking – Mind Mapping and Mental Health-Advocacy and Citizenship.

Projects

- **Leader and Member of Computer Organization Project**

April 2023

In this project, it was expected from the team to design and simulate a simple RISC processor that supports 8 different types of instructions including arithmetic, loading, and storing instructions as well as creating our own instruction formats, instruction syntax, opcode, and green sheet like MIPS green sheet and finally to build our own Datapath for each type of instruction.

I designed and implemented the data path for each type of instruction in the RISC processor, including arithmetic, loading, and storing instructions.

- **Member of Database project**

October 2023

built a database for scheduling appointments for a multi-clinic. The first phase included building the Entity-relationship model, making 13 entities with 19 relationships between them. In the second phase, we developed the mappings between the entities using cardinality ratios. During third phase, we used SQL to build instances for each entity and designed 10 queries including updating, retrieving, and deleting from the instances. The fourth phase included the normalization of the database to have good design, stating if the entities were in 1NF, 2NF, 3NF or BCNF, October 2023

EXTRACURRICULAR ACTIVITIES

An active member in LAU Clubs

Feb 2021 – October 2023

Discover Lebanon club

History Club

Palestinian Cultural club.

Astronomy club

Completed 100+ hours of community service with :

- Civil Defense

-Dar Al Aytam

-Ibad Al Rahman Association

-Al Reaya

- Al Nedaa Hospital

KEY SKILLS

- Languages: English and Arabic (fluent).
- Technical Skills: Microsoft Office (Word, Excel, PowerPoint & Outlook).
- Programming languages: Python, Java, C, SQL, JS.