

Batoul Hammoud

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EDUCATION

Lebanese American University (LAU), Beirut, Lebanon Sep 2021- Dec 2024

Bachelor of Computer Science

Dean's Distinction List: Spring 21-22

Fall and Spring 22-23

Fall and Spring 23-24

Mepi Tomorrow's Leaders Gender Studies Scholarship Awardee

Honors Scholarship Awardee

Tomoooh Scholarship Awardee

Experience

Executive Team Intern at All Girls Code July-Sep 2023

Organized the Techsplore Program, which is a three-day program that exposes the participants to the use of coding and technology in several fields.

Private Arabic Tutor 2017-2022

Tutored students living abroad the Arabic language as a foreign language.

Extracurricular Activities and Volunteering

LebNet Fellowship Program Program Coordinator, Remote Oct 2023-Present

Responsibilities include attendance management, Q&A coordination, speaker welcome, zoom sessions administration and logistical management.

LAU Hult Prize Teams' Coordinator, Beirut, Lebanon Sep 2023-Feb 2024

Responsibilities include organizing the events, following up with the participants and leading them while making their project.

All Girls Code (Executive Team Volunteer), Beirut, Lebanon Sep 2023-Present

Responsibilities include organizing the events, preparing icebreakers, helping the participants, ushering, motivating the rest of the members.

Donner Sang Compter Volunteer, Beirut, Lebanon March 2023-Present

Responsibilities include organizing blood drives for people who are willing to donate blood and recruitment stands to recruit donors.

LebNet WiT Program Fellow, Remote Jan 2023-May 2023

Participated in a five-month fellowship program for non-senior undergrads that equips the next generation of Lebanese women technologists with the skills needed to transition into careers in tech post-university.

LAU Computer Science Club Member, Beirut Lebanon Sep 2022-Present

MMKN Volunteer, Beirut, Lebanon Spring 2022

Tutored the chemistry subject for grade 8 students studying at public schools in Lebanon.

Projects

The Volunteer Hub

Spring 2024

CSC 490 – Software Engineering

Grade: A

- Conducted extensive requirements engineering to define clear user and system requirements
- Designed and developed a full-stack web application creating a user-friendly interface that enhances accessibility and interaction for both NGOs and volunteers
- Conducted thorough testing phases, including unit tests and system validation and verification (V&V), to guarantee the platform's functionality and reliability

Recipe Sharing Platform

Spring 2024

CSC 443 – Web Programming

Grade: A

- Developed a full-stack web application incorporating a content management system (CMS) for recipe management, allowing administrators to create, edit, and delete recipes with detailed attributes
- Integrated advanced features including a shopping list tool that enables users to add recipe ingredients directly to a digital shopping list, along with a price calculator to estimate meal costs based on recipe ingredients, enhancing budgeting capabilities for users

Lambda Psychotherapy Clinic

Fall 2023

CSC375 – Database Management Systems

Grade: A

- Designed Entity-Relation Diagram for Psychotherapy Clinic Database
- Translated the ER schema to tables
- Implemented the database using SQL on the Oracle Server
- Normalized table according to BCNF
- Tools used: draw.io, Oracle SQL Server, SQL

Arduino-based Robot Firefighter

Jan 2019-October 2020

- It detects fire using the flame sensors and obstacles using the ultrasonic sensors, turns the fire off using a water pump, and depots smoke gathered in the fire area using a fan.
- Tools used: Arduino IDE
- Golden Medal Winning Project in the Spring Competition at Al Mabarrat Association
- Third Place Winning Project in the Mathematics and Technology Fair at AUB
- First Place Winning Project in the Annual Fifth Robotics Competition at LU
- Featured Project at the Maker Faire Rome, Italy

Skills

- Languages: Arabic (native), English (fluent: reading, writing, & speaking).
- Technical skills: Java Programming, Python Programming, C Programming, SQL using the Oracle Server, SQL using MySQL and hosted on WampServer, Multi-threading in C and Java, Linux Operating System, Database Design and Development, HTML, CSS, JavaScript, PHP, Android Development, Flutter, Microsoft Office.
- Music player: Piano (L2).
- Soft Skills: Critical thinking, problem solving, communication, collaboration, project management, public speaking, and time-management skills.

Workshops and certificate

- Attending a Cyber Security workshop organized by Semicolon at LAU December 2023
- Attending DevFest hosted at LAU October 2023
- Participating in the Annual Arabic Reading Challenge 2019

All Certificates are available upon request.