

Ali Rabih El Rehaoui

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Profile

Recent honors graduate in Computer Engineering B.S. with practical experience developing Java and SQL projects and passionate about creating impactful technology solutions. Ready to contribute my skills in a collaborative, fast-paced environment, and have experience in IoT and web development.

Education

Bachelor of Science in Computer Engineering

2022-2025

Lebanese International University, Beirut, Lebanon

- **Dean's Honor List:** Summer 2023, Spring 2024, Fall 2025, and Spring 2025.
- **Relevant Coursework:**
 - **Data Structures:**
Introductory course to formation and application data structures to improve proficiency in search, sorting, storage of data and
 - **Operating Systems:**
Integrated synchronization mechanisms and data manipulation techniques for safe process and thread execution in C language in Linux OS.
 - **Communication Networks:**
Configured and tested communication network protocols, OSPF and RIP, using CISCO Packet Tracer.
 - **Computer Organization:**
Analyzed architecture and instruction-level code execution to understand hardware operations and data processing.
 - **Web Programming and Technologies:**
Created interactive web applications linked to MySQL database.
 - **Mobile Application Development:**
Created Android applications with management functionalities connected to MySQL database.
 - **Database Systems:**
Developed a hotel management system using Java and SQL to manage reservations, customer data, and billing processes using SQL and Java.

License in Cinematography

2016-2019

Academy of Cinematographic and Theatrical Sciences, Mkalles, Lebanon

Projects

MediSync

Developed a secure online platform for a psychiatric clinic as a senior project, enabling anonymous online access to mental health care via live messaging, voice/video calls. It ensures anonymity through username-only login and prepaid card payments. It supports hybrid scheduling for anonymous online and verified in-person sessions, aiming to reduce stigma towards mental health and provide confidential access to care.

FrameWork/Libraries and Software: Node.js, Express.js, Socket.io, React, XAMPP(MySQL)
Languages: JavaScript, TypeScript, SQL

Posture Detector

Developed a posture detector that currently supports 20 users locally and 255 users in the database, integrated with WiFi module enabling real-time data transfer viewable via a web application, where user data is centralized for tracking posture changes over time, as well as managing user details, such as username, password, and WiFi networks.

Software: Arduino IDE, XAMPP

Hardware: Arduino UNO, Flex Sensor, ESP-01 ESP8266, SPI TFT Display, Push Button

Technical Skills

Languages:

- | | | | |
|--------------|----------------------|----------|----------------------|
| • Java | ★★★★☆ (Intermediate) | • SQL | ★★★★☆ (Intermediate) |
| • JavaScript | ★★★★☆ (Intermediate) | • Linux | ★★★★☆ (Developing) |
| • HTML/CSS | ★★★★☆ (Intermediate) | • Python | ★★★★☆ (Developing) |

Frameworks & Technologies:

- React ★★☆☆☆ (Developing)

Software & Tools:

- | | |
|---------------|-----------|
| • Netbeans | • XAMPP |
| • Arduino IDE | • Node.js |

Transferable Experience

Assistant DoP

- | | |
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| • <i>Mouzih Al-Arab, Beirut, Lebanon</i> | 2019-2022 |
| - Managed the lighting and acoustics of regionally recognized productions. | |
| - Supervised production crews across various sets. | |
| • <i>Wide Broadcast, Hazmieh, Lebanon</i> | 2018-2019 |
| - Coordinated the camera crew for various Lebanese television shows. | |

Camera Operator

Wide Broadcast, Hazmieh, Lebanon

2017-2018

Languages

- **English:** Advanced
- **Arabic:** Native/Advanced
- **German:** Beginner

Awards

Dean's Honor List — *Lebanese International University, Beirut*