

RYAN MAARRAOUI

Computer Science Student

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Education

Bachelor of Science in Computer Science – LAU Byblos

August 2024 - May 2027 [Expected]

Lebanese Bac II in General Sciences

July 2024

Projects

- **Smart Habit & Workout Tracker (In Progress)**
 - Developing an Android app using Java and XML to track habits and workouts with categorized entries and progress history.
 - Implements SQLite database, activity lifecycle, intents, and SharedPreferences, demonstrating core mobile development concepts and data persistence.
- **Whiteboard – Software Engineering Project (In Progress)**
 - Developing a team-based AI software to assist users in managing files and giving context-aware answers using natural language.
 - Applying Agile/Scrum practices, including user stories, sprint-based development, and team collaboration.
- **2D Maze Game (MIPS Assembly)**
 - Built a fully functional maze game from scratch using MIPS assembly, featuring player movement, collision detection, state-based item-gated progression, and win/lose conditions.

Programming Languages & Tools

Java, Python, C, SQL, Android Studio (UI design & app logic with Java and XML)

Certifications

Microsoft Office Specialist – Excel Associate

2024

Position Paper Award – LAU Model United Nations Conference

2023

Certificate of Participation – LAU Model Arab League Conference

2022

Languages

Arabic (Native), English (Fluent), French (Fluent)