

Ali Rhayel

Beirut, Lebanon

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Education

Lebanese International University (LIU)

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B.S. in Computer Science

- **GPA:** 3.61

Experience

Mercator — AI Developer Intern (3 months) · Bingo Game Application

- Performed **integration testing** for the full game flow (open app → log in → create/join game → play rounds → see scores → log out); authored test scenarios, executed on staging, logged reproducible defects (expected vs. actual), and re-tested until passing.
- Built **Flutter** login and sign-up screens and implemented **authentication** (input validation, helpful error messages, session handling); covered edge cases such as wrong password, offline mode, and slow responses.
- Performed **integration testing** for the full game flow (open app → log in → create/join game → play rounds → see scores → log out); authored test scenarios, executed on staging, logged reproducible defects (expected vs. actual), and re-tested until passing.
- Delivered cross-app **UI/UX improvements**: refined spacing/typography, enlarged tap targets, standardized navigation, and clarified empty/error states with simple “try again” actions—resulting in smoother, more usable flows.

Projects

Bingo — Game Application (Mercator)

- **Scope:** Party-game app; I contributed to authentication and end-to-end game stability.
- **Built:** Flutter **login** and **sign-up** screens; implemented **authentication logic** (validation, error states, session handling); shipped cross-app **UI/UX fixes** (spacing, tap targets, navigation, empty/error states).
- **Tested:** Authentication flows and the **full game flow** via **integration tests**; wrote scenarios, executed on staging, filed clear bugs, and verified fixes before release.
- **Tools/Tech:** **Cursor** and **ChatGPT** for faster test design, code comprehension/refactoring, and documentation.

Language Learning Application – Software Engineering

- Identified and documented functional/non-functional requirements.
- Modeled user–system interactions with a **use case diagram**.

- Created **sequence diagrams** to visualize component interactions.

Online Book Store – Web Programming

- Designed a responsive bookstore website enabling users to search and purchase books.
- Built **tablet/mobile-friendly** layouts and an intuitive UI using **HTML, CSS, JavaScript, PHP, MySQL**.

Food Track Intake Forms – C#

- Built multiple forms for food intake and a **BMI calculator** (adjusted for activity level).
- Designed relational tables and connected them to capture and manage data.

GoldLock: Gold Trading & Reservation Platform – Web Programming

- Built a secure, **members-only** platform for licensed gold retailers in Lebanon.
- Implemented **responsive design**, inventory management, and reservation/transaction tracking.

Lie Detector Sensor – Arduino (C/C++)

- Prototyped a sensor-based lie detection demo using **pulse, LCD, and microphone** sensors (proof-of-concept; not 100% accurate).

Arabic Dialect Analysis – NLP

- Developed an **NLP pipeline** for dialect analysis, text classification, and named-entity recognition on Arabic text datasets.

Technical Skills

- **Languages/Frameworks:** Java, HTML, CSS, JavaScript, PHP, C#(basic), C++(basic), Dart, Flutter.
- **Tools/Technologies:** MySQL, FireStore, Sourcetree, Visual Studio Code, Android Studio, Arduino IDE, NetBeans.
- **AI Tools:** Cursor, ChatGPT (prompting, test-case generation)
- **Languages:** Arabic (Native), French, English

Personal Attributes

- Strong capacity to rapidly acquire new skills and knowledge
- Solid problem-solving and analytical skills
- Able to work effectively both independently and in teams