

Omar Hajjeh



Current position : Computer engineering student

Based in : Tripoli, North, Lebanon

Email : hajjehomar2004@gmail.com

Phone number : +961 76755645

LinkedIn: www.linkedin.com/in/omar-hajjeh

GitHub profile: www.github.com/OmarHajjeh

Summary : Currently pursuing a Bachelor of Engineering in Computer Engineering at Beirut Arab University, with an anticipated graduation in 2026. While my professional experience is still growing, I am actively seeking out new opportunities and internships to expand my knowledge and skills.

Professional Experience

Mobile Development Intern at *Aspire Software* | July 2024 - August 2024

Internship Experience:

- Began learning **.NET MAUI** and implemented **C#** and **XAML** for a shopping application.
 - Developed front-end pages for the application, focusing on UI design and user experience.
 - Integrated **SQLite** to store product data in a local database, ensuring data persistence and offline functionality.
 - Gained a solid understanding of the **MVVM** design pattern and applied it in the development process.
 - Learned to use **Postman** for API testing, improving the application's integration with backend services.
-

Virtual Machine Intern at *SCIS* | June 2023 - August 2023

Internship Experience:

- Engaged in a dynamic internship focused on virtual machine technology, with extensive exposure to operating systems (Windows, macOS, linux distros).
- Developed a comprehensive understanding of virtualization concepts and techniques, including the setup and configuration of virtual machines.

- Acquired practical skills in deploying and managing virtual environments, including the installation and customization of operating systems.
 - Gained hands-on experience in troubleshooting virtual machine issues and optimizing performance for various tasks and applications. Demonstrated adaptability and a keen ability to quickly grasp new technologies and methodologies in a fast-paced environment.
-

Education

Bachelor of Engineering - BE in Computer Engineering at

Beirut Arab University | September 2021 - January 2026

High School Diploma *Rawdat al fayhaa | September 2009 - May 2021*

Key Skills

Programming Languages

- Java (Object-Oriented Programming)
- C
- C# (Beginner)
- Python

Software Development

- .NET MAUI (Beginner with C#, XAML)
- MVVM Design Pattern
- SQLite (Data Persistence)
- MySQL (Database Management)
- Postman (API Testing)
- GitHub (Version Control)

Virtualization & System Administration

- Virtual Machines (VMware, VirtualBox)
- Operating System Installation (Windows, Linux)
- OS Troubleshooting (Windows problem-solving, system optimization)

Hardware & PC Setup

- PC Building & Setup
- System Configuration

Projects

1. Pharmacy Management System (Programming for Engineers Course)

- Developed a terminal-based pharmacy management system.
- Implemented an authentication system with secure login.
- Managed product management features, including adding, deleting, and displaying products.
- Implemented sales management functionality with automatic stock updates and bill generation.
- Integrated financial management to track total sales and revenue.

2. Reversi Game (Design of Algorithms Course)

- Implemented a Reversi game in Java (CLI).
- Supported three gameplay modes: Player vs. Player, Player vs. AI, and AI vs. AI.
- Developed game mechanics such as move validation, disc flipping, and game completion checks.
- Implemented the Minimax algorithm for AI decision-making.
- Focused on strategic decision-making and game tree exploration.
- Supported AI vs. AI mode for observation.

3. Breakout Game (using Processing)

- Developed a breakout game using Processing with Java and object-oriented programming.
- Designed interactive features including a paddle, bricks, and a ball.
- Implemented collision detection and response mechanisms.
- Included multiple levels for increasing difficulty.

These projects showcase my skills in software development, algorithm design, game programming, and object-oriented design principles.

All projects are available on my GitHub profile :

<https://github.com/OmarHajjeh>

Certificate

Introduction to cybersecurity (From CISCO)

Networking Basics (From CISCO)

Computer Hardware Basics (From CISCO)

Networking Device and initial configuration (From CISCO)

Volunteering

MIT app inventor tutor at *NGO* Tripoli Lebanon | *July 2023 - August 2023*

Volunteer Experience: Teaching MIT App Inventor to Young Kids

- Guided students through the basics of app development using MIT App Inventor platform.
 - Encouraged creativity by assisting children in designing and developing their own games and projects.
-

Languages

- **Arabic: Native speaker**
- **English: Highly proficient**
- **French: DELF B2 level (Certificate of proficiency)**