ALI FAYAD

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Objective

Computer science student at 42 Beirut and Al-Maaref University, eager to apply my skills in software development and problem-solving.

Skills

- **Programming (and Scripting) Languages //** C, C++, Python and Java
- **Database Management Systems //** MySQL and MSSQL
- **Tools //** Git and GitHub
- **Microsoft Office //** Excel, Access
- **Languages //** English, Arabic

Education

Bachelor of Science in Computer Science | Al-Maaref University | SEP 2022 – JUN 2026

> A program focused on software development, algorithms, data structures, databases, and computer systems. Gained experience in **C, C++ and Java,** as well as software engineering principles, operating systems, and computer networks.

Software Development Program| 42-Beirut | JUN 2023 – DEC 2025

> A peer-to-peer, project-based learning program with a strong emphasis on C programming, system programming, and algorithmic problem-solving. Specialized in Unix systems, multithreading, networking, and game development. Strengthened debugging and collaboration skills through real-world projects like Cub3D and minishell.

Projects

Minishell | [GitHub Repo] | AUG 2024 – MAR 2025

- **A simple UNIX shell** that replicates basic Bash functionalities, supporting command execution, pipes, and redirections.
- **Stacks:** C, POSIX APIs, readline, signals, and process management.
- **Main Features:** Executes built-in/external commands, handles redirections/pipes, and manages environment variables.

Cub3d| [GitHub Repo] |MAR 2025 – MAR 2025

- **A 3D game using raycasting**, inspired by *Wolfenstein 3D*, built with MiniLibX.
- **Stacks:** C, MiniLibX, raycasting, player movement, and texture rendering.
- **Main Features:** Supports player movement/rotation (keyboard & mouse), textured walls, and configurable maps.

Experiences

Data Analysis Internship | Softaris Information Technology | SEP 2023 – APR 2024

Completed an internship in Microsoft SQL Server (MSSQL), where I gained hands-on experience in database management, query optimization, and data analysis. Worked on real-world projects to improve database performance and data handling.