Aimane Yousr

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Profile

Full-stack engineer with expertise in C, shell scripting, and algorithms. Proficient in HTML, CSS, JavaScript, Ruby, and Python. Currently in the intensive 1337 School program with a record of innovative digital solutions.

Education

1337 Coding School / 42 Network
Computer Science (42 Network) — *Oct 2024 – Present*
- Specialized in C & C++ programming, algorithms, shell scripting, systems programming

ALX-Africa
Full Stack Software Engineering Training — *Aug 2023 – Jun 2024*
- Intensive full-stack development training

Le Wagon
Web Development Bootcamp — *Jan 2023 – Mar 2023*
- RNCP31174 Developer Certification; hands-on web technologies

Projects

Hobby Hub | *Ruby on Rails, JavaScript* 2023
- Developed an interactive hobby platform with responsive UI and API integrations

HBNB (AirBnB clone) | *Python, Flask* 2024
- Built a console-based AirBnB clone with full CRUD operations via a Python interpreter

Mini Shell | *C, UNIX, MiniLibX* 2025
- Implemented a custom UNIX shell with process control, I/O redirection, pipelines, and signal handling

so_long | *C, MiniLibX* 2025
- Created a 2D maze game featuring map parsing, sprite animation, and custom rendering

Philosophers | *C, Pthreads* 2025
- Solved the Dining Philosophers problem using mutexes to avoid deadlocks

Minishell | *C, UNIX* 2025
- Built a bash-like shell handling parsing, expansions, pipelines, and redirections

cub3D | *C, MiniLibX* 2025
- Created a Wolfenstein-style 3D engine using raycasting and texture mapping

NetPractice | *Network Configuration* 2025
- Solved TCP/IP addressing, subnetting, and routing challenges

Inception | *Docker, Docker Compose, Alpine Linux* 2026
- Designed Docker-Compose infrastructure with isolated Nginx, MariaDB, and WordPress services

ft_irc | *C++98, Sockets* 2026
- Implemented an IRC server with non-blocking I/O, channel management, and RFC-compliant features

CPP Modules 00-09 | *C++* 2026
- Completed OOP, polymorphism, and STL projects across ten modules

Technical Skills

- Programming Languages C, C++, Ruby, Python, Shell scripting
- Frameworks & Libraries Ruby on Rails, Flask, Django, MiniLibX, React
- Web Technologies HTML, CSS, JavaScript, HTMX, Tailwind CSS, Astro, API design & integration
- Databases MariaDB, PostgreSQL, MySQL
- Tools & DevOps Git, GitHub, VS Code, Docker, Figma
- Core Competencies Full-Stack Development, Systems Programming, Software Architecture, Algorithms & Problem Solving
- Languages (human) Arabic (Native), English (C1), French (C1), German (B1)