

# RIDA EL FAGROUCH

Casablanca, Morocco

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## Profile

- I am an enthusiastic developer passionate about solving complex problems and learning new technologies. I am highly motivated to grow and expand my programming skills.

## Education

### School 1337 (42 Network)

*Student in Computer Engineering*

**2021 – Ongoing**

*Khouribga, Morocco*

### University of Sciences

*Bachelor's Degree in Physics-Chemistry Science, Mechanical-Energetic*

**2019 – 2020**

*Rabat, Morocco*

## Relevant Coursework

- Data Structures
- Algorithms Analysis
- Web Development
- Computer Architecture
- Software Methodology
- Database Management
- Mobile Development

## Experience

### Gear9 Company

*Software Engineer Intern*

**January 2024 – Ongoing**

*Casablanca, Morocco*

- Designed and developed cutting-edge mobile applications for various clients.
- Collaborated with cross-functional teams to deliver innovative web and mobile solutions.

### Atikia Company

*Mobile Developer Intern*

**March 2023 – July 2023**

*Remote, Morocco*

- Crafted cross-platform mobile applications using React Native.
- Integrated backend services with Express/Node.js and managed data with Prisma/PostgreSQL.
- Enhanced app functionalities with third-party APIs and ensured code quality using TypeScript.

## Projects

### Minishell | *Unix shell project creating a simple shell similar to bash using C*

- Developed Unix shell in C with features like redirections, pipes, prompts, history, and signals.

### Philosophers | *Simulation of the dining philosophers problem using C*

- Implemented a scalable, multi-threaded simulation. Ensured thread safety and synchronization with mutexes.

### Cub3D | *RayCaster project creating a 3D graphical imitation of Wolfenstein 3D in C*

- Constructed a realistic 3D maze using Ray-Casting, incorporating textured walls and efficient rendering algorithms.

### Webserv (HTTP Server) | *C++*

- Engineered a high-performance custom HTTP server in C++, enhancing request-response cycles and error handling.

### Todos Mobile App | *JavaScript, React-Native, ExpressJs, MySQL*

- Developed a full-stack Todos app featuring CRUD operations and real-time updates.

### Inception | *Docker, WordPress, MariaDB, HTML, CSS, JavaScript*

- Leveraged Docker for efficient system management and deployment.

### Ft-transcendence | *TypeScript, Tailwind, NextJS, NestJS, Prisma, PostgreSQL, Docker*

- Created an interactive online gaming platform with real-time chat integration, employing SPA design principles.

### Portfolio | *ReactJS, JavaScript, Tailwind, CSS*

- Built a modern and dynamic portfolio using React.js, Tailwind CSS, and JavaScript.

## Technical Skills

**Languages:** C, C++, HTML/CSS, JavaScript, TypeScript, Bash

**Developer Tools:** VS Code, Webstorm

**Technologies/Frameworks:** Linux, Git, GitHub, Agile, Scrum, Jira, Bitbucket, Jest, WordPress, ReactJS, React-Native, NextJS, NestJS, ExpressJs, NodeJS, styled-components (NativeBase, Chakra, Antd)

**Soft Skills:** Teamwork, Autonomous, Analytical Thinking, Punctuality, Time Management

## Languages

**Arabic:** Native proficiency

**English:** Conversational proficiency

**French:** Conversational proficiency