

# OUAIL ZAHIR

Software Developer

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[Linkedin](#) | [GitHub](#)

## EDUCATION

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**1337 - Mohammed VI Polytechnic University**

Computer Science

khouribga

September / 2021 - Present

**Info House Maroc**

Computer Networks And Operating Systems diplomas

Fes

September / 2016 - June / 2018

## EXPERIENCE

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**Info House Maroc | System Administration**

Fes | march / 2018 - june / 2018

- Installed and configured dual-boot environments (Windows/Linux) on workstations.
- Conducted routine system updates, patches, and backups
- Diagnosed and resolved hardware and network failures, including RAM, hard drives, minimizing disruptions to the school operations.

## SKILLS

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Programming Languages: C++, C, JavaScript, Typescript, Shell Scripting, SQL, HTML, CSS, Prisma  
Libraries/Frameworks: NestJS, ReactJS, TailwindCSS, Socket.io, ExpressJs  
Tools / Platforms: Node.js, Git, Docker, Docker Compose, Postman  
Databases: PostgreSQL

## PROJECTS / OPEN-SOURCE

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**Transcendance | [Link](#)** *Typescript, NestJs, Socket-io, Prisma, ReactJs, TailwindCSS, Docker, PostgreSQL*

Transcendance is the last student project in 1337 School common core, a web-based Pong contest platform that enables users to play Pong with others in real-time, offering a rich user interface, a chat feature, and multiplayer online games. The project adheres to specific rules and security considerations to ensure a secure and enjoyable gaming experience.

**IRC-Server | [Link](#)**

*C++, Makefile, Unix-Socket Programming*

IRC-Server is an IRC (Internet Relay Chat) server implementation, aiming to provide a basic chat platform for multiple users to communicate in real-time. The project is built as part of 1337 School Common Core.

**Inception | [Link](#)**

*Docker, nginx, redis, php-fpm, mariaDB, Linux*

System administration Project with Docker and docker-compose.

**MiniShell | [Link](#)**

*c, pipes, processes*

MiniShell is a 1337 school team project to create a basic shell program in C. It implements redirections and pipes, as well as environment variable expansions and the cd, echo, env, exit, export, pwd and unset builtin commands

**Cub3d | [Link](#)**

*c++, Computer Graphics, Raycasting*

This is a 3D game created using the C programming language and the Raycasting rendering technique, inspired by Lodev's Raycasting Tutorial. In this project, you will be able to move through a maze and collect items while trying to find the exit.