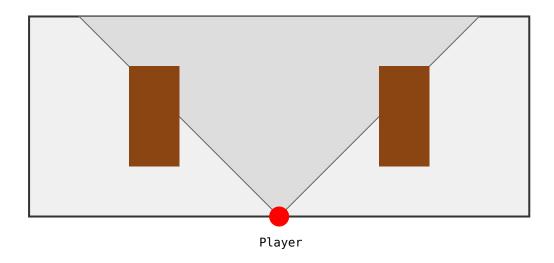
Cub3D Project Documentation

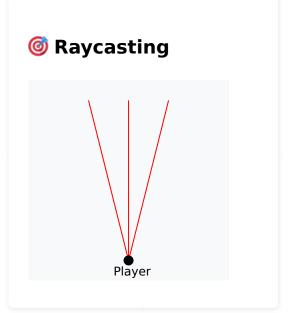
Project Overview

Cub3D is a 3D game engine inspired by Wolfenstein 3D, using raycasting technology to create a 3D perspective in a 2D maze.



Core Components





Controls

• WASD: Movement

Mouse: Look E: Interact Shift: Sprint

Implementation Workflow



File Structure



- main.c
- init.c
- cleanup.c

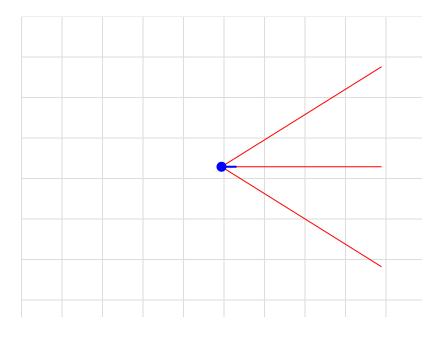
Rendering

- raycast.c
- texture.c
- minimap.c

👔 Logic

- movement.c
- hooks.c
- vectors.c

Raycasting Algorithm



Building and Running

```
make  # Compile the project
./cub3D map.cub # Run with map file
```