



# BATCHASSI ESSOSSOLAM

Software engineer

## PERSONNAL INFORMATIONS

I'm a software engineer with expertise in Unity3d game and Web development

## COMPETENCES

Python, C#, C / C++  
HTML/CSS, JavaScript, ReactJS  
NodeJS, Electron JS, BabylonJS  
PHP, MySQL, MongoDB  
Android Java, Flutter  
OPenGL, WebGL, OPenCL  
Unity3D, Blender 3D

## PERSONAL PROJECTS

**ft\_hangout**  
Android Java project to manage contacts in a CRUD way  
**n-puzzle**  
n-puzzle solver using A\* algorithms in python  
**Unblock-me solver**  
C++ program to solve Unblock-me with either bfs or dfs  
**Chess Game**  
A 3d Chess Game made in Unity3d  
**lamin**  
pathfinding algorithms explored  
**Roger-skyline**  
System and network administration  
**Wolf3d**  
Inspired from the famous 90 games, the first First Person Shooter, (Raycasting from a 2d map, create a 3d world)  
**Fract'ol**  
2D programming and discovery of fractals  
Use of multithreading, later ported to OPENGL  
**RT**  
Big infographic project: Raytracing with lot of functionalities  
**Corewar**  
A reproduction of the Core War game. Including full implementation of assembly compiler, virtual machine and GUI

## CONTACT ME

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## EXPERIENCE

### Software Developer

*Safe Labs System | October 2022 - Present*

- Developing a CRM with Laravel PHP

### Software Engineer

*BublR | June 2021 - September 2022*

- R&D on Unity3d to BabylonJS exporter  
- R&D on the BublR platform with BabylonJS 3d and UI development  
- R&D on the mobile version of BublR platform  
- R&D on the BublR Desktop Application with ElectronJS and Sockets

### Game developer

*DevDream Game Studio | December 2020 - April 2021*

- Made a Main Menu System (Setting, Lobby, Inventory, ...)  
- Made an Animation System (Tween System) on top of Uween  
- Made a multiplayer framework on top of LitenetLib

### AR/VR Training (Certificate)

*EON Reality Training | janvier 2020 - Novembre 2020*

- 3D Modeling in 3ds Max (Modeling, Texturing, Animation)  
- Augmented and Virtual Reality application development  
- IDC Virtual Tour application development

## ACCADEMICS

### 1337 Khouribga (42 Network)

*Certificat Junior Numerical Architect | 2018-2021*

1337 a coding school based on 42 school system with peer-learning and learning by project with levels.

### Université de Caddy Ayyad

-Studied Mathematics Physics and Informatics  
DEUG MIP | 2016-2018

### Lycée Scientifique de Lomé

*Baccalauréat | 2013-2016*

-Studied Mathematical Sciences

## LANGUAGES

English	Professional
French	Bilingual
Arabic	Elementary

## INTERESTS

Coding Conferences  
Techniques de Simulation Graphic  
Web and Game Developer's Conferences