

# Oubaye El Ghammat Ghorl

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## SUMMARY:

As a Computer Science graduate from a **top 10 UK university**, I am passionate about leveraging technology to solve complex challenges and improve lives. My expertise in programming languages, including **Java, C, Javascript and Python** so far has driven my involvement in both collaborative team projects and individual initiatives. Lately, my research focused on enhancing **blockchain** consensus protocols through sharding, demonstrating my commitment to advancing the field of computer science.

## Programming Languages & Frameworks:

C: **3 years**      Java: **3 years**      Python / Django: **2 years**      JavaScript / Node.js: **2 years**React.js: **1 year**    Next.js: **2 years**    PHP: **1 year**    Git : **3 years**    TypeScript : **2 years**

## Web Development & Databases :

HTML / CSS: **3 years**    React.js: **1 year**    Next.js: **2 years**    Sqlite : **1 year**    Mysql: **2 years**

## EXPERIENCE & PROJECTS:

Full stack developer internship at JORDI HANS DESIGN (Sweden) : 2023 - 2024

- Building a social media app using **React.**, **Firebase**, expo framework and **REST APIs**.
- Fixing and **developing websites** for clients.
- **Presenting and evaluating** the progress of the ongoing app to the team.

### Next Generation of Blockchain Consensus Protocols Research (Individual Project) :

- Extended a **Java** blockchain simulator to support sharding.
- Achieved reduction in costly cross-shard transactions and **balanced load** across shards.

### Pixel Paint Editor (Group Project) :

- Collaborated to build a pixel paint editor from scratch using **Java**, without external libraries.

### Lunar Lander Game :

- Authored the famous Lunar Lander game in **C** using the n-curses library.

### Java Banking GUI Application :

- Developed a simple banking **GUI application in Java**. (on going to make it a distributed system using **java RMI**)

## EDUCATION & QUALIFICATIONS

Lancaster University - BSc Hons Computer Science (On going for First Class) 2024

Ibn tofail high school - English Baccalaureate in Physics and Maths 2019

## ADDITIONAL INFORMATION:

Languages : English French, Spanish, Arabic