

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