

# Komlan Epe-Nsin Merveilles AGBETI-MESSAN

[LinkedIn@merveilles-agbeti-messan](#) | [merveillesagbetimessan.vercel.app](https://merveillesagbetimessan.vercel.app) | [merveillesagbeti@gmail.com](mailto:merveillesagbeti@gmail.com)

[GitHub@MarcoPerson](#) | [+33 7 55 88 62 54](tel:+33755886254)

## Skills

- Java | JavaScript | TypeScript | Python | C | Ocaml | SQL | Node | Express | React | Redux | MongoDB | NoSQL | Git | PostgreSQL | Angular
- GitHub | GitLab | Jira | Jenkins | Playwright | Jest | Unit Testing | Stripe | Lambda | OOP | Unity 3D | Game Development
- Machine Learning | Distributed Systems | Frontend | Backend | Full-Stack | Databases | French, English, Éwé, Japanese

## Coursework

- Data Structures and Algorithms | Analysis of Graphs Algorithms | Object Oriented Programming | Functional Programming | Micro Controller Programming | Website and Database | Operating System | Computer Networks | Mathematics | Machine Learning

## Experience

**Software Engineer Intern** **Sopra Steria** *Colomiers, France* **06/2023 - 09/2023**

- Developed Java services for the French Ministry of Agriculture, enhancing digital infrastructure and efficiency.
- Mastered the Java Orion framework to work on PAGODE, a secure application for electronic declarations and fishing activities, as well as LOGICS, an application for agricultural operation authorization.
- Worked on 100+ Jira test cases for TeleAgape, ensuring the reliability of fishing permit requests.

**IT Manager & Partnership Officer** **Junior INSA Services** *Toulouse, France* **11/2022 - 09/2023**

- Improved the Junior Enterprise's website, resulting in a 20% increase in website traffic and user engagement.
- Develop, improve, and perpetuate 3+ lasting relationships with JIS partners.

**Software Engineer Intern** **WeBuildUp** *Versailles, France* **06/2022 - 09/2022**

- Increased BIMView TypeScript code readability by over 10% by reformatting more than 20 NextJS components and CSS objects.
- Assured components and hooks Quality by writing more than 80 unit and integration tests and multiple end to end tests using Jest and Playwright.
- Developed 100% of the company website using NextJS and TailWindCSS

**Python Developer** **StaroCity** *Lomé, Togo* **08/2019 - 09/2019**

- Designed and Created 100% of a Desktop App using Python and PyQt5 to create users and passwords for a WiFi center.
- Increased the efficiency by 100% by eliminating the possibility of duplication and enhanced the speed via python decorators.

## Education

**Master Operational Research and Optimization** **ENAC** *Toulouse, France* **09/2021 - 09/2024**

- Machine Learning and Optimization

**MEng in Computer Science** **INSA Toulouse** *Toulouse, France* **09/2021 - 09/2024**

- Highest-ranked student for the first semester.
- GPA : 3.84

**Advanced Mathematics** **CPGE Ibn Ghazi** *Rabat, Morocco* **09/2019 - 08/2021**

- Excellence Scholarship & Ranked 1st in Computer Science.

## Projects

**Communication System** *Toulouse, France* **10/2022 - 01/2023**

- Communication system in Java, real-time detection, group messaging, image sharing, reduced response times by 50%, improved engagement by 20% & project completion by 15%.

**React-microsoft-clarity** *Toulouse, France* **09/2022 - 10/2022**

- Developed "react-microsoft-clarity," a react component for implementing Microsoft Clarity, with over 10000 weekly downloads.

**Graph Algorithms** *Toulouse, France* **01/2022 - 06/2022**

- A project in JAVA to implement Dijkstra and A\* algorithms to find the minimum travel time or distance between two locations. Team of 2 Students.

**Mocking TCP Api** *Toulouse, France* **01/2022 - 04/2022**

- Created a TCP api in C that controls the loss of network packet on a noisy network. Reinforced my thread, mutex lock and IP knowledge.

## Competitions

- **African and Arab Collegiate Programming Contest Togo:** Team of 3 people under the alias 'Buldozer' and resolve data structures and algorithms problems in C and Python. Finished 2nd of the competition and 1st to solve problem D.
- **Hackathon Groupe INSA:** Team of 4 people under the alias "Jambos" and won the "Best Pitch" Prize for promoting inclusion of disabled individuals through sports.

## Honors

- **Excellence Scholarship:** By the Government to the best ranked Baccalauréat students of Togo.
- **National Competition:** Ranked 1st on the national competition for entering the only public Computer Science school of Togo.