Komlan Epe-Nsin Merveilles AGBETI-MESSAN

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Skills

- Java | JavaScript | TypeScript | Python | C | Ocaml | SQL | Node | Express | React | Redux | MongoDB | NoSQL | Git | PostGreSQL
- GitHub | 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 - Current**

- Java JEE/Angular/Spring Boot technologies for MASA (Ministère de l'Agriculture et de la Souveraineté alimentaire)

IT Manager & Partnership Officer	**Junior INSA Services**	*Toulouse, France*	**11/2022 - 08/2023**

- 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 according to the time paid.
- Increased the efficiency by 100% by eliminating the possibility of duplication and enhanced the speed via python decorators.

Education

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 2,000 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.

Laser Game	*Toulouse, France*	**01/2022 - 05/2022**

- A project in C and Assembly that consists in realizing a laser shooting game on target. This project got me into a better understanding of microcontroller programming. 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. Team of 2 Students.

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.

Hornors

- **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.