

# Komlan Epe-Nsin Merveilles AGBETI-MESSAN

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## EDUCATION

### INSA TOULOUSE

#### MENG IN COMPUTER SCIENCE

Sep 2024 | Toulouse, France

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

### CPGE IBN GHAZI

#### ADVANCED MATHEMATICS

Sep 2021 | Rabat, Morocco

- Excellence Scholarship.
- Ranked 1st in Computer Science.

## LINKS

Github:// [marcoperson](#)

LinkedIn:// [merveilles-agbeti-messan](#)

## COURSEWORK

### GRADUATE

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

## SKILLS

### PROGRAMMING

Python • C • JAVA • Ocaml • HTML/CSS • JavaScript • SQL

### FRAMEWORKS & TOOLS

Git • GitHub • FireBase • ReactJS/React Native • NodeJS/ExpressJS • NextJS • MongoDB • PostGres • PlayWright • Jest

## HONORS

### EXCELLENCE SCHOLARSHIP

#### IBN GHAZI

Awarded by the Government to the best ranked Baccalauréat students of Togo.

### NATIONAL COMPETITION

#### CIC Togo

Ranked 1st on the national competition for entering the only one public Computer Science school of Togo.

## EXPERIENCE

### JUNIOR INSA SERVICES | PARTNERSHIP OFFICER

Nov 2021 – Present | Toulouse, France

- Develop, improve and perpetuate lasting relationships with JIS partners.

### WEBUILDUP | SOFTWARE ENGINEER INTERN

Jun 2022 – Sep 2022 | Versailles, France

- Increased BIMView TypeScript code readability by over 10% by reformatting NextJS components and CSS objects.
- Assured Quality Assurance by writing components and hooks unit and integration tests and multiple end to end tests using Jest and PlayWright.
- Developed the company website using NextJS and TailWindCSS.

### STAROCITY | PYTHON DEVELOPER

Aug 2019 – Sep 2019 | Lomé, Togo

- Designed and Created a Desktop App using Python and PyQt5 to create usernames and passwords for a WiFi center according to the time paid.
- Increased the efficiency by 100% by eliminating the possibility of duplicate and increased the speed via python decorators.

### INDEPENDENT | MATHEMATICS AND PHYSICS TUTOR

Nov 2018 – May 2019 | Lomé, Togo

- Helped high school students to master the basics of mathematics and physics.

## PROJECTS

### SHOPPING WEBSITE

Apr 2022 – May 2022 | Toulouse, France

A personal web project to implement an e-commerce Front-end and a Back-end payment using ReactJS, Redux, ExpressJS and MongoDB.

### GRAPH ALGORITHMS

Jan 2022 – Jun 2022 | Toulouse, France

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

### LASER GAME

Jan 2022 – May 2022 | Toulouse, France

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 micro-controller programming.

### MOCKING TCP API

Jan 2022 – Apr 2022 | Toulouse, France

A project in C to create a TCP api that control 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

Sep 2019 – Oct 2019 | Lomé, Togo

- We had a 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.