



Osias Noël N. F. TOSSOU  
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#### Address

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# Osias Noël Nicodème F. TOSSOU

## Big Data Student's

**About Me** I am a master's student at the African Institute for Mathematical Sciences Master student specializing in Big Data. I have a background in Computer Science particularly in software engineering with over 2 years of work experience within the IT industry. I am highly skilled in programming with experience in many programming languages (PHP, Java, C++, Python) and Data Base Management.

## Education

### 2019 - present, African Institute for Mathematical Sciences in Senegal (AIMS-Senegal)

Master's in Mathematical Science, specializing in Big Data

### 2018 - 2019, Institute of Mathematics and Physical Sciences of the University of Abomey Calavi in Benin (IMSP-UAC)

Master I. in Computer Science, specializing in Information Systems

### 2014 - 2017, Institute of Training and Research in Computer Science of the University of Abomey in Benin (IFRI-UAC)

Bachelor in Computer Science, specializing in Software Engineering

## Experience

### January 2019 - August 2019, Web Developer at WAOUH MONDE

- Web application development
- Writing Web Services for Mobile Developers (shpressing,e-setem)
- Created a web application of management of laundry (www.administration.shpressing.com)

### September 2018 – December 2018, Database Manager at Steeve Conseil Inter

Consultant in the Cabinet STEEVE CONSEIL INTER in database management (Design, Administration, Production) as part of the development of the directory of PME for advertising in Benin for the DPPME.

### November 2017 – November 2018, Web Developer at PHP Afrique

- Web application development in PHP/MySQL
- Writing different module codes
- Created an expenditure management web application
- Participation in the creation of: www.myargusplus.com (Online exam management)
- Participation in the creation of: www.ecoa.live (Environment management)

### March 2017 - May 2017, Internship in Web Development at Jtek-Solutions

- Web application development in Java EE / JSP - PostGres
- Writing different module codes
- Created an electronic payment web application

## Communication Skills

### 2019, Oral Presentation, Parakou Code Day (Benin)

Big Data & Data Mining: Opportunities and Threats

### 2018, Oral Presentation, Parakou Code Day (Benin)

Presentation on Data Mining at IMSP-UAC



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# Technical Skills

## Certificate online

- Introduction to Big Data (N° TCSW8X8XV26L) by University of California, San Diego at Coursera
- Hadoop 101 (N° 32da1db19fa3494780d733ed2bd74aa2) at Cognitive Class AI
- Design Big Data Architectures (N° 5569047204) at OpenClassRooms
- Manage your project with a Scrum team (N° 2692252006) at OpenClassRooms
- Administer your databases with MySQL (N° 8872086479) at OpenClassRooms
- Adopt an MVC architecture in PHP (N° 9023085316) at OpenClassRooms

## Big Data, Data Science & Data Analysis

- Knowledge in Hadoop and Spark for Big Data Architecture
- Web scraping for collecting data
- Knowledge in unstructured database with NoSQL : MongoDB, Elasticsearch
- Knowledge in graph database : Neo4J
- Ability to use data for solving problems
- Data mining, Data Visualization and Data engineering : scikit-learn, pandas, numpy.
- Machine Learning, Deep Learning : TensorFlow, kears.
- Collecting Data with web scraping

## Database

- Certificate of Professional Training in Oracle Database Administration at NCIT (Certification (OCA) in progress)
- Ability to design and administer a database with DBMS : MySQL, SQLite, Accès, PostGres, Oracle, Sql Server

## Web & Mobile Development

- Ability to create a web application in PHP, Java EE and Python with HTML, CSS, JS.
- Knowledge of CMS like: Oclass, Moodle, WordPress.
- Knowledge of Frameworks: Laravel, CodeIgniter, Ionic, JQuery / Ajax, Flask
- Ability to make an Android mobile application
- Modelisation with UML and MERISE

## Operating Système & IDE

- Use of Operating Systems: Windows 7/8/10 and Linux (Ubuntu, Maint)
- Using IDEs such as: NetBeans, SublimeText, Notepad ++, PhpStorm, Android Studio, Windev, DreamWeaver, Eclipse, SQL Developer.

## Network, Design & Project Management

- Knowledge in TCP / IP Network Administration, Knowledge of PhotoShop, Gimp Skill in Project Management Computing with Scrum Method
- Knowledge of dependency management and versioning tools : bower, composer, git .



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## Awards

### 2018, *Africa FinTech Forum, Ivory Coast*

2nd Prize at Africa FinTech Forum: I presented a mobile application project in FinTech.

### 2017, *Africa FinTech Forum, MAPCOM in Benin*

3rd in the national planning competition organized by MAPCOM in Benin.

## Interests

### Professional

Big Data, Machine Learning, Data science, Data analysis, Software engineering, Marketing

### Personal

cooking, dancing

## References

### Dr. MICKAËL MOUSSE

Lecturer in Computer Science at University of Parakou in Benin  
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### Eng. AIME ELEGBE

Engineer in Computer Science at EcoBank Benin  
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