Michael F. MBOUOPDA

PhD Student in Machine/Deep Learning

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I have been fascinated by artificial intelligence since I was just a little boy, I fell in love with the car KITT. I think that artificial intelligence is making the world better and being involved in that change makes my child's dream comes true

Work experience

Oct 2019 – Sep 2022   **Time Series Mining - Machine Learning Researcher**, *Laboratory of Informatics, Modelling and Optimization of the Systems (LIMOS)*, Aubiere, France.
- Mission: Build efficient and innovative algorithms for the classification of uncertain time series data
- Result: A shapelet approach for the classification of uncertain time series

Apr 2019 – Sep 2019   **Time Series Mining - Machine Learning Junior Researcher**, *Laboratory of Informatics, Modelling and Optimization of the Systems (LIMOS)*, Aubiere, France.
- Mission: Build a new algorithm based on Shapelets in order to classify uncertain time series data
- Result: A new shapelet algorithm using uncertainty propagation techniques and a communication at the workshop Learning From Data Stream and Time Series (FDST) 2019

Jun 2017 – Sep 2018   **Natural Language Processing - Machine Learning Junior Researcher**, *Department of Computer Science - University of Yaounde 1*, Yaounde, Cameroon.
- Mission: Build an efficient neural network model for named entity recognition in low-resource languages
- Result: A new word representation that is more suitable for named entity recognition. This word representation have been used to successfully perform named entity recognition in Ewondo.

Jun 2016 – Sep 2019   **Social Network - Applied Researcher**, *Ibaas Labs*, Yaounde, Cameroon.
- Missions: (1) Build a professional social network to improve job delivery. The system must help project owners to quickly find the best experts for their job. For experts, the system must help them find the most appropriate tools given a job. (2) Build an entertainment social network application.
- Results: Jooka (Android app available on playstore), Software Delivery Engine (Still In progress)

Education

Oct 2019 – Sep 2022   **PhD in computer science**, *Clermont Auvergne University*, Clermont-Ferrand, France.
- Lab: Laboratory of Informatics, Modelling and Optimization of the Systems (LIMOS)
- Subject: Uncertain time series classification

Sep 2018 – Sep 20191   **Master in computer science**, *Clermont Auvergne University*, Clermont-Ferrand, France.
- Track: International of Computer Science
- Main courses: Machine learning/data mining, Operational research, Computational complexity, Semantic web

Sep 2016 – Sep 2018   **Master in computer science**, *Univeristy of Yaounde 1*, Yaounde, Cameroon.
- Track: Research
- Main courses: Business Intelligence, Software Engineering, Operating systems, Distributed systems, Computational complexity, Advanced database (Oracle)

Sep 2012 – Jun 2015   **Bachelor in computer science**, *University of Yaounde 1*, Yaounde, Cameroon.
- Main courses: Algorithmic(Divide and Conquer, Greedy, Dynamic programming), Programming (C, C++, PHP, Java, JavaEE), Operating systems (Linux, Android, system programming), Databases (Postgres, Mysql), Information systems

Online education

1-31 Jul 2020	**Deep Learning Specialization**, *deeplearning.ai*, coursera.org.
1-30 Jun 2020	**Research integrity in scientific professions**, *Bordeaux University*, fun-mooc.fr.
Mar 2020 - May 2020	**Pratical Time Series Analysis**, *The State University of New York*, coursera.org.
Apr 2019 – Jun 2019	**Reproducible Research: Methodological Principles for Transparent Science**, *Inria*, fun-mooc.fr.

Publications

Michael F. Mbouopda and Paulin Melatagia Yonta. Named entity recognition in low-resource languages using cross-lingual distributional word representation. *Revue Africaine de la Recherche en Informatique et Mathématiques Appliquées*, 33, 2020.

Michael F. Mbouopda and Engelbert Mephu Nguifo. Uncertain time series classification with shapelet transform. In *2020 International Conference on Data Mining Workshops (ICDMW)*, pages 259–266. IEEE, 2020.

Michael F. Mbouopda and Paulin Melatagia Yonta. A word representation to improve named entity recognition in low-resource languages. In *2019 Sixth International Conference on Social Networks Analysis, Management and Security (SNAMS)*, pages 333–337. IEEE, 2019.

Languages

French	Proficient	*I use the french language in my every day life and at school. However my mother language is Ghomala*
English	Upper-intermediate	*I can read and understand books, articles. I can watch some English movies without subtitles. Scientific papers writing. Need more practice to speak fluently.*

Skills

Machine Learning	Scikit-learn, Keras, TensorFlow, Weka, Matplotlib, Pandas, Numpy, Transfer Learning		
Programming	Python, Java, C, C++	Cloud:	GCP, AWS Lambda
Databases	Firebase, Postgres, MySql, Oracle	Others:	Git, Latex, Django, Flask, JQuery, Bootstrap

Volunteerism

Conferences	ECML-PKDD 2020, IJCAI 2020
Miners	I am a co-animator for the Miners working group at the computer science laboratory LIMOS

Interesets

Movies	Ong Bak, Dragon Tiger Gate, Ip Man, Undisputed
Mangas	Naruto, Dragon Ball, Baki, Hajime no Ippo
Games	Splinter Cell, Call of Duty, Bullet Storm, DBZ Legend
Taekwondo	Red belt