



Eliane Delwende Birba



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Objective

Looking for a research engineer position or pre-doctoral program before applying for a PhD program.

Courses

Scalable Machine Learning and Deep Learning, Machine Learning and Computer vision, Probability and Statistics, Graph and Algorithm, Data mining, Data Intensive computing, Research Methodology

Skills

General:Python, C/C++ ,R, Java, scala, Graphlab, Spring

Machine Learning : TensorFlow, Sklearn, NumPy, SciPy, Pytorch, Theano, Pycharm, Pandas, Keras

Big data tools:Spark, Hadoop, HBase, Cassandra

Strengths

Innovative
Improviser
Fast Learner
Mentor
Hardworking

Languages

French
Moore
English
Mandarin

Education

- 2017-2019 **EIT Digital joint program - MS in Data Science and Entrepreneurship**
-KTH Royal Institute of Technology|Sweden
-University Nice Sophia Antipolis|France
- 2012-2017 **BS Computer science and Information Engineering**
National Chiao Tung University | Taiwan | GPA: 3.21/4
- 2008-2011 **Lycee Bogodogo de Ouagadougou-Major in Math, Physics |Burkina Faso**
Preparatory program leading to the nationwide entrance exams to university|Rank: Top 3

Relevant Experience

- Since Sep'19 - **Software engineer at Kindred group** 6 Months
Python, Java, Spring Boot, MicroServices, Jenkins, Docker, Kubernetes
- Feb-Jul'19 **Machine Learning Research Engineer intern at the Institute of Chemistry of Nice France** 6 Months
-Implemented machine learning model for odor molecules psychophysiology effects prediction such as heartbeat rate, temperature, skin conductance, respiration rate.
- Conducted a comparative study of data splitting algorithms for machine learning model selection.
- Jun-Jul'18 **Intern, Research Engineer-I3S Lab (UNICE) | France.** 1 month
Implemented a bi-LSTM model to detect and correct the misspellings in english and french clinical notes with 95% accuracy.
- Sep'17 -Dec'19**Chief Customer Experience Officer at Yanfoma digital technology**

Conference and workshops

- 2019 **Poster for WiML workshop co-located at NIPS 2019**
Machine learning for odor molecules psychophysiological effect prediction
- 2019 **Poster for Learning Meaningful Representation of Life,NeurIPS 2019 Workshop**
ML for odor molecules psychophysiological effect prediction
- Speaker at Africa innovation forum in Taiwan**
-Solar "To" cooker device to cook one of the main food in west Africa
- Why do we have few female entrepreneurs in Africa.

Honors and Awards

- **First girl in Mathematics, Physics** at Burkina Faso National Olympiad 2011
- Taiwan MOFA Scholarship 2012-2017
- EIT Digital Scholarship 2017-2019
- Travel grant for NIPS conference

Certificats and Projects

- **Machine learning in Finance**
EIT DIGITAL summer school 2018 Budapest
- **Neural Networks and Deep Learning**
deeplearning.ai given by prof Andrew Ng of Stanford University
- **Machine learning and computer vision project**
OpenCV, CNN for hand sign language interpretation through camera.