Eliane Delwende Birba/ Burkina Faso

✉ delianeb1@gmail.com

☎ +46738463212

🌐 http://delwende.github.io/

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, Artificial Intelligence for medicine

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

Referees

Prof. Erik Fransen, supervisor:
erikf@csc.kth.se
Prof. Jerome Golebiowski, supervisor:
jerome.golebiowski@unice.fr

Languages

French
Moore
English
Mandarin

Hobbies

Reading
Traveling
Dancing
Singing

Education

2018-2020   **MS in Data Science and Entrepreneurship**
-KTH Royal Institute of Technology|Sweden

2017-2018   **Master1 in Data Science**
-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

Sep'17 -Present **Co-founder and Chief Customer Experience Officer at Yanfoma digital technology**

Since Sep'19 - **Software engineer at Kindred group**   6 Months
- Implemented a Swish withdrawal API which allows Unibet website users to withdraw money from their Unibet account to their Swish account.
- Implemented a pay and play API connected to the Trustly payment gateway. The component allows users to deposit and play or withdraw money to their Trustly account. The API was writing in Java, built with Maven and deployed to Kubernetes docker container through Jenkin.
-Implemented a microservice that acts as a proxy in the payment system. The component can send a request to the external payment provider, such as Trustly, to get all the transaction history. Java Spring boot, Docker, Jenkins, Influx, 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
- 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
Based on noisy channel approach, I implemented a character level sequence to sequence learning with Long Short-Term Memory Recurrent Neural Networks (LSTM RNNs) and Natural language processing to detect and correct misspellings in english and french clinical notes with 97% accuracy.

Leadership Experience

2019   **CEO and Founder of deep4e**
We research and build safe AI systems that learn how to solve problems and advance scientific discovery for all. http://deep4e.com/

2019   **Co-founder of Yanfoma digital technology**
Our mission is to use digital technology to make organisations solve their problems and reach their goals. https://yanfoma.tech/

2014-2015   **External Auditor**
External Auditor of Burkinabe association in Taiwan

2011-2012   **Assistant Secretary**
Assistant Secretary of my church's students group

2010-2011   **Treasurer**
treasurer of Bible study group (high school students)

2009-2011   **Assistant Secretary**
Assistant Secretary of Bible study group (high school students)

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

2015-2016   **Speaker at Africa innovation forum in Taiwan**

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

Certificates

- **AI for Medicine Specialization**
  deeplearning.ai given by prof Andrew Ng of Standford University

- **Machine learning in Finance**
  EIT DIGITAL summer school 2018 Budapest

- **Neural Networks and Deep Learning**
  deeplearning.ai given by prof Andrew Ng of Standford University