



Eliane Delwende Birba

✉ deliane1@gmail.com
 ☎ +46738463212
 📍 Fornborgsgrand 6
 16858 Bromma
 @ birba-eliane-8919a389/

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 boot, SQL, MySQL
Machine Learning : TensorFlow, Sklearn, NumPy, SciPy, Pytorch, Theano, Pycharm, Pandas, Keras
Big data tools: Spark, Hadoop, HBase, Cassandra
<https://github.com/delwende>

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

- Sep'19 -Mar'20 **Kindred group accelerate program** 6 Months
 Software engineer intern:
 Working as a Java backend developer for payment system.
 Java, Spring Boot, MicroServices, Jenkins, Docker, Kubernetes
- Feb-Jul'19 **Machine Learning Research Engineer at the Institute of Chemistry of Nice France** 6 Months
 - Revisited dream olfaction challenge on molecules odor prediction with a new rational algorithm for the training and test set splitting.g
 -Implemented machine learning models for odor molecules psychophysiology effects prediction such as heartbeat rate, temperature, skin conductance, respiration rate.
- Jun-Jul'18 **Intern, Research Engineer-I3S Lab (UNICE) | France.** 1 month
 Implemented a bi-LSTM model that can detect and correct the misspellings in english and french clinical notes with 95% accuracy.
 Python, TensorFlow, Keras, etc.

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
- 2016 **Speaker at Africa innovation forum in Taiwan**
 Solar "To" cooker device to cook one of the main food in west Africa
- 2014 **Speaker at Africa innovation forum in Taiwan**
 Why do we have few female entrepreneurs in Africa.

Honors and Awards

- **First girl in Mathematics** at Burkina Faso National Olympiad 2011
- **First girl in 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.