Delwende Eliane Birba

Nationality: Burkinabe

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Date of birth: 21/05/1991

Gender: Female

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EDUCATION AND TRAINING

Master in Data Science
KTH Royal Institute of Technology (European Institute of Technology joint program) [01/08/2018 – 30/10/2020]

Address: (Sweden)
Field(s) of study: Data science
Thesis: Comparative analysis of data splitting algorithms for machine learning model selection.

Master in Data science
University Nice Sophia Antipolis/France (European Institute of Technology program) [01/09/2017 – 01/10/2020]

Address: Nice (France)

Bachelor in Computer science
National Chiao Tung University [01/09/2013 – 01/07/2017]

Address: Hsinschu (China)

AI Ethics Mentoring

With my mentor Ilana Golbin, Director of PwC , I have learnt the importance of the privacy, ethics and fairness related to the use of AI.

HONOURS AND AWARDS

First girl in Mathematics
National Olympiad of Burkina Faso [01/09/2011]

First girl in Physics
National Olympiad of Burkina Faso [01/09/2011]

Taiwan scholarship 5 years
Ministry of foreign affaire of Taiwan [2012]

EIT Digital Scholarship
European Institute of Technoogy [2017]

RESEARCH AND EXPERIENCE

University of Oxford, *Oxford Applied and Theoretical Machine Learning Group

Short training on uncertainty quantification:

- Reproduced paper: Simple and Scalable Predictive Uncertainty Estimation using Deep Ensembles
- Evaluated Uncertainty with MNIST dataset spitted into in-distribution digits 0-4 and out-of-distribution digits 5-9

https://github.com/delwende/deep-ensemble

University Virtual of Ouagadougou

Machine learning lecturer:

- Designed with other students the first Msc program in data science and Artificial intelligence in Burkina Faso.
- Machine learning Lecturer from January 2021.

Kindred group

[01/09/2019 – Current]

Software engineer:

- Implemented mobile payment API for Unibet brand
- Integrated Swish, Trustly Earthport , Ideal, payment gateways into Kindred group websites.
- Implemented a microservice that acts as a proxy in the payment system.
- Worked with Java Springboot, Docker, Jenkins, Influx, Kubernetes.

University Nice Sophia Antipolis, ChemoSim Lab

[01/02/2019 – 30/07/2019]

Research engineer:

- Performed research on two topics
- The use of machine learning algorithms for odor molecules psychophysiology effects prediction such as heartbeat rate, temperatures, skin conductance, respiration rate
- Performed research on data splitting algorithms for machine learning model selection.
- Formulated several literature reviews, performed data analysis for experiments
- Wrote abstract, and submitted for both WiML and Learning Meaningful Representations of Life workshops
- Wrote master thesis report.

University Nice Sophia Antipolis, IS3-LAB

[01/06/2018 – 30/07/2018]

Research engineer, Intern:

- Performed research on deep learning for correcting misspelling in english and french clinical notes
- 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
- Formulated several literature reviews, performed data analysis for experiments

CONFERENCES AND SEMINARS

WiML workshop co-located at NIPS 2019

Poster presentation on: Machine learning for odor molecules psychophysiological eff:ct prediction

Learning Meaningful Representation of Life,NeurIPS 2019 Workshop

Poster :ML for odor molecules psychophysiological effect prediction

Fintech Forum

[2020]

Panelist Artificial intelligence and financial inclusion

Speaker at Africa innovation forum in Taiwan

CERTIFICATION

Certificate for attending the 16th European Conference on Computer Vision.

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

MANAGEMENT AND LEADERSHIP SKILLS

Co-founder of Yanfoma digital technology 2016

Our mission is to use digital technology to make organisations solve
their problems and reach their goals. https://yanfoma.tech/

External Auditor of Burkinabe association in Taiwan 2014-2015

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

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

Assistant Secretary of Bible study group (high school students) 2009-2010

DIGITAL SKILLS

Python / Java / C++ / Machine Learning and Deep Learning frameworks: Tensorflow, Keras, PyTorch / R / LSTM,GRU, RNN / Container (Docker) / Git

LANGUAGE SKILLS

Mother tongue(s):

Moore , French

Other language(s):

English

LISTENING C1 **READING** C1 **WRITING** C1

SPOKEN PRODUCTION B2 **SPOKEN INTERACTION** B2

Chinese

LISTENING A2 **READING** A2 **WRITING** A1

SPOKEN PRODUCTION B1 **SPOKEN INTERACTION** B1