

Delwende Eliane Birba

deliane1@gmail.com | [linkedin: Birba Eliane](https://www.linkedin.com/in/BirbaEliane) | <https://github.com/delwende>

EDUCATION

KTH Royal Institute of Technology <i>Master of Science in Computer Science, Major Data Science</i>	Stockholm, Sweden Aug. 2018 – May 2020
University of Nice Sophia Antipolis <i>Master of Science in Computer Science, Major Data Science</i>	Nice, France Sept. 2017 – Jun 2018
National Chiao Tung University <i>Bachelor of Science in Computer Science and Information Engineering</i>	Hinschu, Taiwan Sept. 2013 – Jun 2017

HONORS AND AWARDS

Future is Female Mentorship Program by C.Moore Media (CMM)	2022 - 2023
Anita Borg Women of color Complimentary Scholarship for GHC	2022 - 2023
European Institute of Technology Scholarship	2017 - 2019
Ministry of Foreign Affairs of Taiwan (Bachelor scholarship 4 years)	2013 - 2017
Ministry of Education (MOE) of Taiwan, Huayu Enrichment Scholarship)	2012 - 2013
National Olympiad of Burkina Faso <i>First girl in Mathematics</i>	2011
National Olympiad of Burkina Faso <i>First girl in Physics</i>	2011

EXPERIENCE

Founder and CEO <i>AI-KING GROUP SARL</i> <ul style="list-style-type: none">DiabeteControl: mobile app tracking, management and African foods recommendations based on AI algorithms for diabetes. Currently in pilot stage2nd prize at Orange Venture Social Enterprise Startup Competition in Burkina Faso 2022.Apprendre'IA: AI training courses for students	February 2022 – Present <i>Ouagadougou, Burkina</i>
Machine Learning Lecturer <i>Virtual University of Burkina Faso</i> <ul style="list-style-type: none">Teaching Introduction to Machine Learning for master program in AI and Data ScienceContributed to elaborating a professional Master's program in Data Mining and Artificial Intelligence	Sep. 2020 – Present <i>Ouagadougou , Burkina Faso</i>
Software Engineer <i>Kindred people AB</i> <ul style="list-style-type: none">Implemented payment APIs: Unibet, OttoKasino, 32Red, Bingo.com etcIntegrated Swish, Trustly, Earthport, Adyen, payment gateways into Kindred group websites.Worked with Java Springboot, Docker, Jenkins, Influx, Kubernetes, microservices	September 2019 – Present <i>Stockholm, Sweden</i>

PROJECTS

An explainable XGBoost-based approach towards Preeclampsia risk prediction: <ul style="list-style-type: none">Implemented machine learning model to predict late-onset preeclampsia based on plasma proteinInterpretability with SHAPE values.Extreme gradient boost;ng method were used to construct the prediction models and achieved AUC score of 0.90.	2022
University College Dublin Machine learning Bootcamp, 2021 <ul style="list-style-type: none">Worked on COVID 19 social distance prediction problem.Proposed a convolutional neural network to classify the COVID 19 social distance based on the Bluetooth signal, accelerometer, and gyroscope value from the users smartphones	2021
University Nice Sophia Antipolis, ChemoSim Lab <ul style="list-style-type: none">Performed research on two topics, 1)The use of machine learning algorithms for odor molecules psychophysiology effects prediction such as heartbeat rate, temperatures, skin conductance, respiration rate. 2) Performed research on data splitting algorithms for machine learning model selectionFormulated several literature reviews, performed data analysis for experimentsAbstract accepted for both WiML and Learning Meaningful Representations of Life workshops	February 2019 - August 2019

CONFERENCES AND SEMINARS

Co-organiser of African Women in Artificial Intelligence workshop ACM@RecSys 2022
Speaker at AI IN HEALTHCARE CONFERENCE WEST AFRICA 2022: Topic:Artificial intelligence for healthcare in Africa by Africans
Co-hosted event at WiML workshop NIPS 2020 : Leading the way for the Next Generation of Black Women in AI
WiML workshop co-located at NIPS 2019 :Poster presentation on Machine learning for odor molecules psychophysiological effects prediction
Learning Meaningful Representation of Life, NeurIPS 2019 Workshop :Poster: ML for odor molecules psychophysiological effect prediction
Ouaga Fintech Forum 2020 : Panelist Artificial intelligence and financial inclusion
Speaker at Africa innovation forum in Taiwan 2016

CERTIFICATION

Certificate for attending the 16th European Conference on Computer Vision.
AI for Medicine Specialization: deeplearning.ai given by prof Andrew Ng of Stanford University
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

MANAGEMENT AND LEADERSHIP SKILLS

Founder of African Women in AI
Founder of AI-King Group SARL
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++, Tensorflow, Keras, PyTorch, R, LSTM, GRU, RNN, Git, Kubernetes, OpenCV

LANGUAGE SKILLS

Moore, French, English, Mandarin, Swedish

MEMBER OF

Black in AI
African Women in AI
Women in Machine learning
Stockholm AI

CONTACT FOR REFERENCE

Johan Enberg, Manager at Kindred group: Johan.Engberg@kindredgroup.com
Rodrique Kafando, Master program manager: kafando.rodrique@gmail.com