Ismaël KONÉ, PhD Student

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99 Secteur 8 Kortoba, Meknes, MOROCCO
Nationality: Ivorian (COTE D'IVOIRE)

Research interest: Machine Learning for Medical Image Analysis

EDUCATION

PhD, Machine Learning for Medical Image Analysis - February 2015 - Now.
Faculty of Sciences - Moulay Ismail University, *Meknes, MOROCCO*.

Master in Image processing, November 2009 – June 2013.
Faculty of Sciences - Moulay Ismail University, *Meknes, MOROCCO*.

Bachelor in Mathematics and Applications, September 2005 – February 2009.
Faculty of Sciences - Moulay Ismail University, *Meknes, MOROCCO*.

High School degree, major: Mathematics and Physics, July 2005.
Lycée Classique d'Abidjan, *Abidjan, COTE D'IVOIRE*.

MOOCs : CS188.1x: Artificial Intelligence from BerkeleyX – Edx, Professor Andrew Ng's Machine Learning from Coursera, Practical Deep Learning for coders, Part 1 & 2 (in progress).

PUBLICATIONS / CONFERENCE PAPERS

- I. Koné and L. Boulmane. ***Hierarchical ResNeXt models for Breast Cancer Histology Images Classification***. Accepted for oral prsentation at the 15th International Conference on Image Analysis and Recognition (ICIAR 2018), June 27-29, 2018, Póvoa de Varzim – Portugal. *This paper presents our solution of the ICIAR 2018 Grand Challenge which ranked **8th out of 50***.
- I. Koné and L. Boulmane. ***Hybrid Forests for Left Ventricle Segmentation using only the first label***. Accepted for oral prsentation at the 3rd IEEE International Conference on Intelligent Systems and Computer Vision (ISCV 2018),April 2-4, 2018, Fez – Morocco.
- I. Kone, and L. Boulmane. ***A general scheme for MRI images' segmentation based on slice-by-slice learning***. Communication, Management and Information Technology - Sampaio de Alencar (Ed.) 2017 Taylor Francis Group, London, ISBN 978-1-138-02972-9.

EXPERIENCES

Research training – April 2014 – July 2014
Ecole Nationale Supérieure des Arts et Métiers (ENSAM) - http://www.ensam-umi.ac.ma/
Meknes, MOROCCO
Responsibility:
- Studying and developing a method to segment femoral bone from MR images.

JAVA/J2EE Software Developer – 02/2012 until 11/2012
NETAPSYS - https://www.netapsys.fr/
Paris, FRANCE
Responsibilities:
- Correcting bugs and adding new features to the Web Application of the French Ministries of Health and Immigration.

Master thesis' project – June 2011 until September 2011
NOESIS-VISILOG, image processing solutions (bought by Thermo Fisher Scientific FEI) - https://www.fei.com/software/visilog/
Paris, FRANCE
Responsibility:
- Study and implementation of a new feature in VISILOG toolbox: Elliptical Particles separation in images using local concavity properties.

TECHNICAL SKILLS:

- **Programming Language**: Python , C++, Java.
- **Machine Learning frameworks**: SciKit-learn, Pytorch, Keras.