RICHARD LAMAH

Data science engineer

Contact

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linkedin.com/in/rlamah05/

github.com/rlamah05 **(5 projects)**

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EDUCATION

MASTER II || **Engineering Digital Content Company (ICON)** || University of La Rochelle (ULR) ***Rochelle - France*** **[In progress]**

MASTER II Search || **Intelligent Systems and Multimedia** || International Francophone Institute (IFI) ***Hanoi -Vietnam*** [In progress]

MASTER I || **Intelligent Systems and Multimedia** || International Francophone Institute (IFI)||***Hanoi - Vietnam*** **2018 -2019**

MASTER I || M.I.A.G.E (APPLIED COMPUTER METHODS TO BUSINESS MANAGEMENT) ||Kofi Annan University of Guinea ||Conakry, Guinea **2013-2014**||

BACHELOR DEGREE || M.I.A.G.E (APPLIED COMPUTER METHODS TO BUSINESS MANAGEMENT)||Kofi Annan University of Guinea||Conakry, Guinea **2012-2013** ||

SKILLS

- **Programming:**Python,Java,PHP,R,HTML5/CSS3,Javascript
- **Frameworks :** Hibernate/JPA,Spring MVC, Bootstrap,NodeJS,AngulaJS,AWS,Docker
- **Databases:** MySQL, SQL Server, PostgreSQL
- **Methods**:(UML,Merise),(Agile/Scrum)
- **IDE** Eclipse,Spyder,jupyter notebook,VisualStudio,Adobe Photoshop
- **Project Management Tools:** Git, Gantt-project, Modeling tools UML/ Mérise
- **Neural Networks:** CNN, ANN, RNN
- **Computer Vision:** Open CV
- **OPERATING SYSTEMS** : UNIX/LINUX, WINDOWS, Mac OS

Achievement

AI Grand Challenge HACKATHON Vietnam: Hanoi, 6th, Deep Learning for the recognition of human activity based on sensors to ensure the safety of women and children, ***July 12-14,2019***
Team: IFI STUDENTS (4 people)

Projects

Framed Personal Work : This project aims to study the methods, technique and tools for the stock market and to build a prototype.
Stock Market Prediction with Deep Learning || 8 months || (IFI) International Francophone Institute, UNV Hanoi(Vietnam) || ***Nov.2018-Jun.2019*** ||
It was a supervised research project which is spread throughout the first year of Master.

Work:
Theoretical work
- Subject Analysis
- Bibliographic search
- State of Art
- Proposed solution

Practical work
- Algorithm used**: RNN-LSTM**
- Date Set Used: **GOOGLE Stock Price (Historical prices 2009-2018)**
- Obtained result: **Prediction rate =50,27%, MAE:mean absolute error=0.04 degrees**
- Used tools:**Python,Numpy,Keras,Pandas**

Face recognition in a video and saved in a file: (Individual wor k) || ***Aout.-Nov.2019*** ||
- **Goals:** Recognize, crop and save faces as images from video
- **Used tools:** Python, Open CV, face_recognition

FULL CHANNEL IMAGE PROCESSING (Work in pair) **||** ***March-Jun.2019*** ||

- **Description:** Realization of a complete chain of image processing.
- **Goals:** Make pre-segmentation (conversion of grayscale images to make them easier treatment), segmentation (use of OTSU algorithm on input images) and post-segmentation (application of labelling the image regions by using the Canny OpenCV function to detect edges in the images).
- **Used Tools :** C++, OpenCV.

Object Recognition :
Using SIFT detector to compute the keypoints and descriptors of the training set (dataset) and from that we use the Flann based Matcher to recognize images classes from the test set also display the confusion matrix.
- **Used Tools :** Python Open CV.

A Web Application that Uses Customer's Emotion to Recommend Food [In progress]
Context:
- A simple web application that aims to recommend products to customers based on their emotions about other products.(in progress)
- Used tools: **Python,Flask , passlib , Keras, Tensorflow, FFmpeg , SciPy, NumPy, Pandas**

PROFESSIONAL EXPERIENCE

SYSTEMS / NETWORKS ADMINISTRATOR
HADAFO MEDIAS (ESPACE FM,ESPACE TV) //***Conakry-Guinea*** //*Jan.2015-30 Sept.2018*

INTERNSHIP,NETWORK ADMINISTRATOR AND WEB MASTER
HADAFO MEDIAS (ESPACE FM,ESPACE TV)//**Conakry-Guinea**//*18th August 2014-05th Dec.2014*

Languages

- **French:** Native language
- **English:** Professional

References

M. HO Tuong Vinh PhD, Deputy Director of the Francophone International Institute (IFI)
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