



## KANA NGUIMFACK Kévin

Recherche stage en informatique

- Sep. 23, 1991. Cameroonian
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- <https://www.github.com/KN-Kevinoh>

## About Me

Student in Master II computer science, specialty artificial intelligence. Passionate about machine learning and deep learning, image processing and computer vision.

## Languages

- French ● ● ● ● ●
- English ● ● ● ● ●
- German ● ● ● ● ●

## Skills

- Machine Learning ● ● ● ● ●
  - scikit-learn
  - numpy, pandas, Scipy
- Deep Learning ● ● ● ● ●
  - seaborn
  - python
  - julia
- Computer Vision ● ● ● ● ●
  - tensorflow
  - keras
- Image processing ● ● ● ● ●
  - opencv
  - Dlib
  - keras
- Naturel language processing ● ● ● ● ●
  - opencv
  - SciPy
  - Pillow
  - Matplotlib
- Data mining ● ● ● ● ●
  - python
  - R

## Education

- Present** **Master Computer Science** Hanoi, Vietnam.  
Option **Systèmes Intelligents et Multimédia**  
Institut Francophone International (IFI), Vietnam National University(VNU) in Hanoi in double degree with the University of La Rochelle(France).
- Dec. 2019**
- June 2017** **Master I In Mathematical and Computer Sciences** Yaounde, Cameroon.  
**At University of Yaounde I.**
- Sep. 2016**
- June 2016** **Bachelor In Mathematical and Computer Sciences** Yaounde, Cameroon.  
**At University of Yaounde I.**
- Sep. 2015**

## Experience

- Feb. 2016** **Developer (Freelance)** Yaounde, Cameroon.  
Implementation of an inventory management application for store, in java. Yaounde, Cameroon.
- Feb. 2016**
- Nov. 2018** **Developer Front-End (Freelance)** CMAX-IG S.A(BJFT S.A) Yaounde, Cameroon.  
Setting up a wallet for money transfer Cameroon-Canada with ionic framework. Version beta.
- Juin. 2018**
- Dec. 2019** **IT Manager** BJFT S.A Yaounde, Cameroon.
  - Redesign of the Cameroon-Canada money transfer wallet in place. bjft.sa app
  - Administrator of the e-commerce platform developed with the prestashop framework. cmaxstore.com
  - Responsible for relations with clients and partners (Express Union, AVS Telecom)
- Jan. 2019**

## Academic Projects

- Aug. 2020** **Exam monitoring using computer vision and machine learning.** Institut Francophone Internationale, Hanoi Vietnam.  
Implementation of a multi-model examination monitoring application, based on head pose detection, face recognition, emotion recognition and cheating scene recognition. (python, CNN, faceNet, Inception, matplotlib, seaborn, numpy, pandas, opencv, django)
- Dec. 2019** Models code - code App
- April 2020** **Image Processing** Institut Francophone Internationale, Hanoi Vietnam.  
Application of image processing operations, convolution, low pass filters (Gaussian, averaging), high pass filters (Fourier transform), thresholding, edge detection. (opencv, C++)  
 image processing
- Avril 2020** **Operational research: task assignment** Institut Francophone Internationale, Hanoi Vietnam.  
implementation of a solution to the task assignment problem. (Java)  
 task assignment problem
- July 2020** **Data science, house price prediction** Institut Francophone Internationale, Hanoi Vietnam.  
Using machine learning, data mining and data analysis to figure out house price prediction. (PCA, SVM, KNN, Decision tree, Linear regression)  
 house price prediction
- Nov. 2020** **CIE LAB color space based skin detection** Institut Francophone Internationale, Hanoi Vietnam.  
Skin and non-skin pixel classification model using the histogram approach and the Bayesian approach.  
 skin detection

Modelisation & Simulation ● ● ● ● ●

GAMA Platform

jade

GAML

Constraint programming ● ● ● ● ●

Programming language ● ● ● ● ●

java php , HTML5/CSS3

C/C++

Javascript

C#

php

Frameworks

django

Laravel

ionic

Database

SQL

NoSql

Postgresql

Mysql

sqlite

## References

Dr. HO TUONG Vinh Lecturer - Researcher

Email: [ho.tuong.vinh@ifi.edu.vn](mailto:ho.tuong.vinh@ifi.edu.vn)

Tel.: +84 (024) 374 501 73

## Hobbies



### Reading newspaper

Have a keen eye on current affairs



### Music Addict

Listen quality music of every genre



### Tracking

Going for mount climbing on every single year



### Travelling

Always fond of traveling to exotic places

Nov. 2020

### Simulating the spread of an epidemic

Internationale, Hanoi Vietnam.

Modeling and simulation of the epidemic spread in a city. (GAMA Platform)

🔗 spread disease

Institut Francophone

Dec. 2020

### Objects recognition using SIFT descriptors

Internationale, Hanoi Vietnam.

Application of object recognition by the David Lowe approach.(opencv, numpy, pandas, matplotlib)

🔗 Object recognition SIFT

Institut Francophone

Jan. 2021

### Leaves recognition

Institut Francophone Internationale, Hanoi Vietnam.

Using visual Bag of words and Support Vectors Machine classifier to perform leaves' trees recognition, flavia dataset.(opencv, numpy, matplotlib, kmeans)

🔗 leave recognition

Jan. 2021

### Fingerprint recognition

Institut Francophone Internationale, Hanoi Vietnam.

Using deep learning to perform fingerprint recognition based on pattern recognition, SOCOFING dataset.(opencv, fingerprint\_enhancement library numpy, pandas, matplotlib )

🔗 fingerprint recognition

## Certification of completion

Dec. 2020

### Deep Learning

certificate of completion of the deep learning course, by Nicolas Thome.

Fun-mooc.fr.

Dec. 2020

### Semantic Web and Web of Data

certificate of completion of the Semantic Web and Web of Data course, by par Fabien Gandon, Catherine Faron-Zucker and Olivier Corby.

Fun-mooc.fr.

July 2020

### Discover the Python libraries for Data Science

ID : [1394587763](#)

Openclassroom.

July 2020

### Learn about basic digital image processing

ID : [6090158907](#)

Openclassroom.

July 2020

### Is machine learning the future of humans?

ID : [7594059871](#)

Openclassroom.

June 2020

### Learn about Machine Learning

ID : [6362164750](#)

Openclassroom.

July 2020

### AI objective: learn about artificial intelligence

ID : [2295436216](#)

Openclassroom.

April 2020

### Communicate using digital tools

ID : [2661145989](#)

Openclassroom.

## Membership

June. 2016

### IT club member

University of Yaounde I, Cameroon.

Oct. 2012

Responsible for promoting IT in order to make IT accessible to all, through training workshops and MeetUp to share our passion.

June. 2018

### Innovatech association member

Yaounde, Cameroon.

Non-profit organization, its main mission is to popularize technologies through innovative solutions, useful and accessible to all.