

# NGUEMDJOM TCHANGANG KEVIN DARREN

## Data Engineer Application

«Driven by a deep passion for data science, I am particularly fascinated by the ability of deep learning to uncover insights from complex data. I am committed to advancing my knowledge and skills to innovate and drive progress in AI.»

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## EXPERIENCES AND PROJECTS.

### [MSc 2 – Personal class project]

*Data mining and information research*

📅jan 2024

📍IFI(Hanoi, Vietnam)

In my work, I have :

- Implement a prediction model for Credit Scoring.
- Implement a vehicle classification model.

**Tasks :** Understanding, preparation and visualization, selection of predictors, modeling, evaluation, model comparison, selection and deployment.

- **Tools :** Tanagra, Statistica-data-miner,Python, Scikit-learn.

### [MSc 2 – Group class Project]

*Document classification application*

📅Dec 2023

📍IFI(Hanoi, Vietnam)

In this project, I built an application to categorize documents by calculating the probability of document content using the Naive Bayes algorithm.

- **Keywords :** Python, Naive Bayes algorithm.

### [MSc 2 – Personal class project]

*Text classification application*

📅juillet 2023

📍freelance(Hanoi, Vietnam)

In this work, I built a text classifier model using Tensorflow in Python, I used an IMDB review dataset that contains 50,000 real world movie reviews along with their sentiment (positive or negative). At the end of this work, I show and adapt one of the models which you can integrate to realize with your own dataset in order to make predictions.

- **Keywords & Tools :** Python, Tensorflow, Keras, sklearn, apache spack, deep learning, RNN, model.

### [MSc 1 & 2 - Intelligence artificielle & systèmes multi-agent]

*Modeling and simulation projects on Gama-Platform*

📅2023-2024 (5 mois)

📍IFI(Hanoi, Vietnam)

- Design of a multi-agent system for an auction system.
- Algorithms of IA, Heuristics : A\*, MinMax
- **Tools:** Jade, Gama, Java.

### Computer vision & deep learning || 2023-2024

- Object classification (SIFT descriptor and KNN, SVM)
- Realization of a model for a Recommendation system for the prediction of user evaluations (PyTorch, Stacked, Auto encoders)
- data extraction(digital content indexing)

### [BSc 3 – Internship]

*Development of a sensory sensor for an electrocardiogram (ECG)*

📅juil 2022 (4 mois) 📍institut technologie (Douala, Cameroun)

- I developed on the use of electrodes to detect cardiac signals, the design of electronic circuits for signal processing, and the integration of software for data analysis and visualization.
- **Tools :** Sublime Text, Mat-lab, Proteuse, Drawio.
- **Programming languages:** Arduino, C++;

## EDUCATIONS

**MSc 2 ||Informatique, option systèmes intelligents et multimédia (2024- 2025)**

Double Master degree between the Université de La Rochelle in france and the National University of Vietnam in Hanoi,

**MSc 1 ||Informatique, option systèmes intelligents et multimédia (2023-2024)**

Vietnam National University - International Francophone Institute (IFI)

**BSc||Informatique, option Automatisation et informatiques industrielles (2022)**

Bachelor's degree in Automation and Industrial Computing, option computer science , obtained Institute of Technology de douala(Cameroon).

**Entrepreneurship||Company training (2021-2022)**

Training in communication techniques, within a work team (Innovatech Association, Cameroon).

## SKILLS

### Functional skills

- Old technology
- Extraction, transform, Load (ETL)
- Drafting of general and detailed functional specifications

### Programming languages

- Python, SQL, NoSQL, C++, javascript
- HTML5, CSS3, Node js.

### Mathematics

- Linear algebra, Statistics, probability.

### Tools

- TensorFlow, Keras, PyTorch,Tanagra;
- Google Cloud (BigQuery).
- Spark, Kafka.

### Advanced programming

- Data Mining,
- Machine Learning,
- Deep Learning.
- Reinforcement Learning

## LANGUAGES

French (native language)  
Anglais (Intermediate)  
Vietnamien (Basic)