Khang Duy **Lai**

DATA SCIENTIST · DATA ENGINEER

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Personal skills

Programming	Python, Bash, Octave, R, SQL, Latex, C++
Data Science	Pandas, Numpy, Scikit-learn, Pytorch, Tensorflow, Jupyter
Data Visualization	Plotly, Matplotlib, Streamlit, Shiny
Other	Git, Linux, Docker, GCP, AWS
Languages	English (TOEIC 885), French (DELF B1), Vietnamese (native)

Professional Experience

SFR - Altice
Paris, France

APPRENTICE DATA SCIENTIST · CAMEMBERT, MINILMV2, SENTENCE-TRANSFORMER, GCP, OPENCV, CLIP — *May. 2022 - Sep. 2023*

- Extracted and clustered customer call transcription using BERT and topic modeling techniques (NLTK/MiniLMv2/CamemBERT).
- Experiment with migrating ML cycles to Google Cloud (MLOps) using VertexAI/ Kubeflow and other GCP services. This help the company to move current infrastructures to Google Cloud at the beginning of 2024.
- Improved near-duplicate detection for fiber hubs images (PM) to reduce forgery images in the system using OpenCV and CLIP (accuracy 90%->99%).

Meeyland Group
Hanoi, Vietnam

AI ENGINEER · PLOTLY, MATPLOTLIB, LIGHTFM, SCIKIT-LEARN — *Apr. 2021 - Sep. 2021*

- Responsible for a data visualization dashboard to support real estate brokers using Plotly, Dash and Matplotlib.
- Created a real-estate recommendation system that raised the user's interaction on Meeyland website (Increase 20% click rate).

VMO Holdings Technology
Hanoi, Vietnam

DATA SCIENTIST · OPTICAL FLOW, NVIDIA FLOWNET2, LIGHTFM, YOLOV3, SSD, TESSERACT, OPENCV, AWS — *Oct. 2019 - Dec. 2021*

- Forecasted typhoons and severe weather conditions for Weathernews .Inc, Japan using satellite data and radar images.
- Applied of LightFM and collaborative filtering on job recommendation system for Bijikon .Jsc, Japan.
- Implemented facial and object recognition on IoT devices using AWS for a smart doorbell product.
- Created an ID card reader by applying OCR and Computer Vision for the Vietnamese government.

FEI, VŠB (Technical University of Ostrava)
Ostrava, Czechia

RESEARCH INTERN · MNE-PYTHON, SCIKIT-LEARN — *Apr. 2019 - Sep. 2019*

- Collected EEG signals and applied machine learning techniques (RNN-LSTM and SVM) to study the plasticity property of human brains.
- Applied noise reduction layer to the raw data using MNE-Python.

Education

University of Paris-Saclay
Orsay, France

MASTER 2 DATA SCIENCE (ISD) — *Sep. 2022 - Sep. 2023*

- Master in apprenticeship - SFR.

University of Paris Cité
Paris, France

MASTER 1 MACHINE LEARNING FOR DATA SCIENCE (AMSD) — *Sep. 2021- Sep. 2022*

- Master in initial.

USTH (University of Science and Technology of Hanoi)
Hanoi, Vietnam

BACHELOR OF INFORMATION AND COMMUNICATION TECHNOLOGY — *Sep. 2016 - Sep. 2019*

- Invited research intern in Technical University of Ostrava and Czech Technical University in Prague.
- GPA 3.3/4.

Extracurricular

Hai Tang .Co .Ltd
Hanoi, Vietnam

TECHNICAL TRANSLATOR — *Nov. 2014 - Mar. 2015*

- "C# fundamentals for absolute beginners" on techrum.vn (English to Vietnamese)