✉ clequemarlainmboulou@gmail.com | 🏠 42 Rue Précomtal Montbrison (42600) | 📅 22 years old | 🪪 Driving licence (B)

🚐 Personal vehicle | 📱 0755796096

Cleque Marlain MBOULOU-MOUTOUBI

THESIS RESEARCH : CIFRE IN VISION/IA - UNSUPERVISED LEARNING OF A LATENT EMOTIONAL REPRESENTATION IN FOOD SCIENCE

💼 WORK EXPERIENCE

Artificial Intelligence Internship
Creation of a neural network for Arduino and application to colour management
From May 2023 to July 2023
XLIM-AXE Mathématiques et Sécurité de l'Information
Limoges

Maths tutor for Licences 1 students

From 2021 to 2023
University of Limoges
.

Multi-skilled hotel employee (été 2021,2022 & 2023)

From July 2021 to August 2023
Camping La Brande
Le Château-d'Oléron

🎓 MASTER 2 INTERSHIP

Deep Learning Intership
Clecim SAS Savigneux, 42600
From March 2024 to July 2024
<ins>Mission:</ins>
  Data processing optimisation.
  Creation of custom pipelines and a supervised learning model
  Transfer Learning
  Anomalies detection (AE, VAE)
  Focus on self-learning for computer vision.
  Identify and develop the best algorithm for pre-training neural networks using unlabelled images.
  Explore the integration of artificial defects in the learning process to enhance the robustness of the algorithms.

<ins>Responsibilities:</ins>
  Optimising the performance of the algorithms while reducing dependence on labelled image databases.
  Models comparison tool

🎓 PROJECTS COMPLETED MASTER 2

Master 2 (in English)
Faculty of Science and Technology   .
From 2023 to 2024
  Machine learning with Scikit-learn, *Deep Learning(CNN, RNN, GAN, Transformers).*

  Reinforcement Learning: Policy evaluation, policy improvement and policy iteration

  Numerical Solutions and Image Reconstruction using Projection Methods (Proximal Algorithms)

  Tensor Decomposition and Dimensionality Reduction *Algorithms: CP-ALS, HOSVD, and HOOI*

  Convex Optimization: FISTA, Greedy-FISTA, ADMM

  Game theory

🎓 UNIVERSITY COURSES

Masters 1 and 2, Applied Mathematics, ACSYON pathway
Faculty of Science and Technology of Limoges   .
From 2022 to 2024
  Proficient in Linear and Multilinear Algebra,
  Convex Analysis, Convex Optimization
  Statistics,
  Machine Learning, Deep Learning, Reinforcement Learning
   Stochastic Optimization,
  Game Theory,
   Fast Algorithms

Bachelor's degree in Mathematics
Faculty of Science and Technology   .
From 2019 to 2022

🔤 LANGUAGES AND INTERESTS

English
B1 : Written and spoken everyday and technical vocabulary
Interests
Football, basket-ball, gym

🌐 SOFT SKILLS

.

Volunteer
Team spirit,
ability to make proposals
Thorough and inquisitive,
good listening skills

🖥 COMPUTER SKILLS

Python, SageMath, C+, Matlab, Octave, Maple

LaTex, Word, Excel, Power Point, Libre Office