Clovis Lechien

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Machine Learning Research Engineer
with an expertise on Multimodal models, Machine learning, Deep learning, computer vision, and natural language processing. Lover of vintage cars and motorcycles, gardening, and knowledgeable about animals.

SKILLS

Programming Languages: Python, C, C++, Cuda, C#, SQL, Shell, Scala, Java, Js, Ts, OCaml

Deep Learning Frameworks: PyTorch, TensorFlow, Keras

Libraries & Tools: NumPy, HuggingFace, Scikit-learn, Pandas OpenCV, NLTK, FastAPI, Git, Docker, LaTeX, Ollama, Linux, Pip, Conda

Soft Skills: Hardworking, Communication/Teamwork skills, Autonomous, Problem Solving, Adaptability, Critical Thinking

EDUCATION

Ecole Pour l'Informatique et les Techniques Avancées (EPITA) — 4.0 GPA　　　　　Paris, France
MScEng in Computer Science, Majoring Artificial Intelligence, Minoring Computer Vision　　*Sep 2020 − Aug 2025*
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Advanced ML/DL, CV/NLP, Differentiable Prog, Distributed Systems, Optimization,
Big Data, Probability and advanced statistics, Time-series, Cloud Solutions
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Chulalongkorn University - ISE　　　　　Bangkok, Thailand
Exchange semester at International School of Engineering, majoring Computer Science　　*Jan 2020 − Jun 2020*

EXPERIENCE

ML Research Engineer Intern (End-of-studies Internship) (ongoing)　　　　　Feb 2025 − Aug 2025
Lincoln　　　　　*Paris, France*
- Conducted research on **Multimodal LLM for Emotion Recognition on political debates** — 82% acc - 8 classes.
- **MLLMedia** : Implemented and evaluated a custom-made MLLM model using PyTorch (3 modalities : Audio, Text, Video)
- **MediEmotion** : Created a custom closed source multimodal dataset for Emotion Recognition (French, +100 hours of material)
- Managed 7 consultants during *Data Collection* — Managed 33 annotators during *Data Annotation*.

ML Research Engineer (End-of-studies Project)　　　　　Aug 2024 − Jan 2025
Cybershen x EPITA　　　　　*Paris, France*
- Conducted research on **Phishing Detection using a novel Image Recognition framework : ViPhiD**
- Scraped and created original datasets for various tasks (phishing detection, logo detection) (+9000 samples each)

Machine Learning Engineer Intern (Pre-Specialization Internship)　　　　　Sep 2023 − Jan 2024
Bpifrance　　　　　*Paris, France*
- Developed and deployed machine learning models for **Duplicate Data Detection**
- Optimized model performance and ensured data quality, deleting 150000 duplicates.
- Collaborated with cross-functional teams to deliver AI solutions

RECENT PROJECTS (2024 - 2025)

[HACKATHON] Mistral.AI x Alan　　　　　Python, React, HuggingFace, GCP
AI in Healthcare - Hygie.IA : AI platform to ease access to healthcare.　　*ClovisDyArx/hackaton_mistral_alan*

[MLOPS] Baudel-AI.r　　　　　Python, Docker, Ollama, CI/CD
Deployed LLaVA for personalized multimodal poem & love letter generation.　　*ClovisDyArx/baudel-ai.r*

[RESEARCH] I-JEPA　　　　　Python, Jupyter
Implementation of I-JEPA's article (arxiv.org/abs/2301.08243) [Meta]　　*DjDonPablo/I-JEPA*

[RESEARCH] ViPhiD　　　　　Python
Phishing Detection using a novel Image Recognition framework　　*Private Repository.*

[HACKATHON] French Ministry of the Armed Forces　　　　　Python, Onyxia
AI in Military Forces - Detection of AI generated text.　　*Private Repository.*

NB : *all other projects can be found on my GitHub's page : github.com/ClovisDyArx*