

Alexandre WENG

LinkedIn: [alexandre-weng](#) | Email: alexandre.weng@epita.fr | Website: alexandre-weng.com | GitHub: [Erdnaxela3](#) | Paris, France

END-OF-STUDIES INTERNSHIP, SOFTWARE ENGINEER, DATA ENGINEER, MLOPS

Currently in my last year of studies. I am looking for an end-of-studies internship primarily as a Software Engineer, Data Engineer, Data Scientist or MLOps. I am still open for other positions. Starting in February/March 2025, ending in August/September 2025 (26 weeks). I am eager to learn from talented collaborators and build elegant solutions leveraging AI and data.

EDUCATION

EPITA Paris, Graduating in 2025 <i>French engineering school, SCIA major, AI/Data</i>	Paris, France Sept 2022 – 2025
Universite Paris Cité <i>Dual bachelor's degree in Mathematics and IT, excellence track</i>	Paris, France Sept 2019 – May 2022
<ul style="list-style-type: none">• Bachelor's degree in Mathematics, with high honours• Bachelor's degree in Information Technology, with high honours	

WORK EXPERIENCE

PFEE, End-of-studies project with PINKCC Lab <i>PINKCC Lab</i>	July 2024 – Jan 2025 (5 months) Remote
<ul style="list-style-type: none">• Radiomics evaluation to predict outcome in locally advanced rectal cancer with tumor deposits	
Research Intern <i>S2M, Université de Montréal</i>	Sept 2023 – Jan 2024 (5 months) Montréal, QC, Canada
<ul style="list-style-type: none">• Developed a Flutter application with a FastAPI backend. Enabling users to easily create and optimize trampoline routines for gymnasts through bioptim (optimal control library).	
Full Stack Intern <i>Lyticsware</i>	June 2022 – Aug 2022 (3 months) Remote – Paris, France
<ul style="list-style-type: none">• Migration from PHP to React + Flask REST API leading to a MVP. Reduced the loading times by 90%.• Developed an application to help users develop and visualize ML models and Bayesian networks, without the need to code.	

HARD SKILLS

- Python, numpy, pandas, keras, tensorflow, ...
- Git, SVN, Vim, React, AI, NLP, Recommender System, React
- C, Java, Javascript, C++, SQL, Dart
- MongoDB, ElasticSearch, Neo4j, AWS, Azure, Terraform, Docker

PROJECTS

Super TermiCATOR	<i>AWS Kinesis, DynamoDB, EMR, SageMaker, Bedrock, Terraform</i>	<i>Ongoing, Personal</i>
<ul style="list-style-type: none">* Looking to develop a full-fledged application leveraging AWS services based on TermiCATOR. The goal is to leverage serverless technologies, build a fully automated SageMaker pipeline, Bedrock LLM, and more.		
TermiCATOR	<i>AWS Kinesis, DynamoDB, EMR, Spark, Kafka, Scala, Terraform</i>	<i>EPITA</i>
<ul style="list-style-type: none">* Developed an application to simulate IoT devices to trigger real-time alerts and ad hoc long-term analysis. Highly-scalable.		
kafka-geoproducer-ui	<i>Kafka, React, TypeScript, Express</i>	<i>Personal</i>
<ul style="list-style-type: none">* Developed a UI to easily send customized geolocation data to kafka streams.		
Kaggle boat classification	<i>keras, tensorflow, deep learning</i>	<i>EPITA</i>
<ul style="list-style-type: none">* Using a 25 layers CNN, classified boats. Ranked 6th out of 99 groups of pairs.		
Weather Web App	<i>Azure, ACR, App Services, ML, Custom Vision</i>	<i>EPITA</i>
<ul style="list-style-type: none">* Web App to forecast weather from image or tabular data, ML model develop using Azure ML and Custom Vision.* Deployed using App Services.		
Movie Recommender	<i>collaborative filtering, content-based filtering, hybrid</i>	<i>EPITA</i>
<ul style="list-style-type: none">* Movie recommendation system given 2 users, trained on IMDB and MovieLens datasets.		
PYBD	<i>pandas, numpy, Dash, TimescaleDB, Docker</i>	<i>EPITA</i>
<ul style="list-style-type: none">* TradingView-like dashboard for historical financial data (indicators, analysis, charts).		
Hackathon IA vs AI	<i>NLP, fine-tuning, BERT</i>	<i>French Ministry of Armed Forces</i>
<ul style="list-style-type: none">* 2nd place, developed machine learning models to detect LLM generated responses (Logistic Regression, BERT fine-tuning...).		

LANGUAGE

- French, *Native*
- English, *TOEIC 965*
- Spanish, *B2*
- Mandarin Chinese, *B1*

CERTIFICATIONS

- AWS, *Cloud Practitioner*
- AWS, *Solutions Architect Associate*
- AWS, *Machine Learning Engineer Associate*
- AWS, *AI Practitioner*
- AWS, *Data Engineer Associate*