

CLEMENT WANG

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MVA ENS Paris-Saclay × CentraleSupélec graduate

EDUCATION

CIFRE PhD Student in Graph Machine Learning, Institut Polytechnique de Paris — Mirakl Sep 2025 – Now

MSc in Data Science (GPA 4.1/4.0), CentraleSupélec — University of Paris-Saclay Sep 2020 – Dec 2024

Relevant coursework: machine learning, statistics, stochastic calculus, parallel calculus, algorithmics, signal processing.

MSc in Applied Maths for Machine Learning — MVA (GPA 4.1/4.0), ENS Paris-Saclay Sep 2023 – Dec 2024

Relevant coursework: NLP, graph learning, time series and signals, computer vision, geometric data analysis, optimization.

Preparatory Courses - MPSI/MP*, Lycée Henri IV Sep 2018 – Jul 2020

EXPERIENCE

Data scientist Dec 2024 – Jul 2025

Mirakl *Paris, France*

- Developed and deployed a **delivery date prediction model** that increased **on-time delivery rates** from 50% to 85%. Processed 50,000+ monthly orders during beta testing (Jul-Sep) before full production rollout in Oct 2025.

Machine Learning Engineer Intern May 2024 – Oct 2024

Beacon Biosignals *Paris, France*

- Training a **foundation model for sleep EEG** time series through **self-supervised learning**. Adapting Computer Vision methods to time series, including contrastive learning and DINO to EEG data. Reaching 80.0% accuracy on sleep staging with a limited amount of annotated data, a **2.6% decrease with 95% fewer labels**.

3D Computer vision R&D Intern Feb 2023 – Jul 2023

Stryker *Freiburg-im-Breisgau, Germany*

- 3D position tracking** of surgery instruments. Key points detection with High-resolution network and triangulation with different timestamps. Condensing the process from 2 minutes to 10 seconds with a 3.0 mm error.

Co-Founder & MLOps Engineer Dec 2022 – Jun 2023

Photogen *Remote — Paris, France*

- Photorealist image generation**. Leveraging Stable Diffusion with Dreambooth and Controlnet.
- Setting up cost-optimized cloud infrastructure on AWS with queue service, batch jobs, and autoscaling.

Data scientist Intern Aug 2022 – Jan 2023

Polygon Technologies *Santa Monica, United States*

- Diagnosing mental diseases from **videos** of cognitive tests: speech-to-text, voice activity, face landmarks, human pose detection algorithms.

Machine Learning Consultant Feb 2022 – Jul 2022

Paris Digital Lab *Paris, France*

- Radio wave detection** - *French Ministry of Armed Forces*: Achieved 0.95 mAP @ IOU 0.5 with YOLOv3.
- Lipstick retrieval from selfies** - *L'Oréal*: Reached 1% normalized MSE on optical properties of lipsticks.
- Few-shot and Foundation models** - *Oorion*: Annotation of object detection datasets with few-shot models.

EXTRA-CURRICULAR ACTIVITIES & PROJECTS

President of Automatants, AI student organization (Feb 2021 - Feb 2022) Managed a team of 20 members, provided courses for 50+ students, organized events related to AI, gathered knowledge and wrote summaries of 100+ papers.

MARL research project, Google DeepMind (Oct 2023 - Apr 2024) Speeding up Nash Equilibrium finding in zero-sum two-player games, combining FoReL dynamics with population-based ideas.

SKILLS

Frameworks	Pytorch, Tensorflow, Spark, Pandas, NumPy, Sklearn, OpenCV, Plotly, Streamlit, Dash
Technologies	Python, C++, C#, Bash, Linux, Docker, AWS, Jupyter, Git, Airflow, MLflow, Databricks
Languages	French (native), English (C1), Chinese (B1), Spanish (A2)