

# CLEMENT WANG

+33 783451888 ✦ [clementwang.pro@gmail.com](mailto:clementwang.pro@gmail.com)

📧 [clementw168](#) — **in** [clem-wang](#) —  [clem-wang](#)

Master of Computer science student with a strong interest in Machine learning.

## EDUCATION

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**Master of Computer Science**, CentraleSupélec — University of Paris-Saclay Sept 2020 – Ongoing  
Relevant coursework: machine learning, statistics, parallel calculus, algorithm & complexity, signal processing.

**Master of Applied Maths for Machine Learning — MVA**, ENS Paris-Saclay Sept 2023 – Ongoing

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

## EXPERIENCE

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**Computer vision R&D Intern** Feb 2023 – Jul 2023  
Stryker *Freiburg-im-Breisgau, Germany*

- Achieving 3.0mm error on 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.
- Centroids detection on NIR images with subpixel precision. Reaching 3e-3 pixel error with Mobilenet modules.

**Co-Founder & MLOps Engineer** Dec 2022 – Jun 2023  
Photogen *Remote — Paris, France*

- Pushing state-of-the-art Diffusion models to achieve photorealism by adapting Dreambooth.
- Generating group photo with several Dreambooth weights 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*

- Leading research on how to diagnose mental diseases from videos of cognitive tests: speech-to-text, voice activity, face landmarks, human pose detection algorithms, and time series segmentation.
- Accelerating pipelines by setting up AWS Batch service with GPU.

**Machine Learning Consultant** Feb 2022 – Jul 2023  
Paris Digital Lab *Paris, France*

- *French Ministry of Armed Forces*: Achieved 0.95 mAP @ IOU 0.5 with YOLOv3 on radio wave detection.
- *L'Oréal*: Retrieved lipstick on selfies. Reached 1% normalized MSE on optical properties with deep regression.
- *Oorion*: Automated annotation of classification and object detection datasets with few-shot algorithms.

## EXTRA-CURRICULAR ACTIVITIES

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

**Data Analyst at Etandex, Freelance** Leveraged XGBoost and explainable AI tools (Anchor, Lime, SHAP values) to predict business opportunity outcomes with transparency and interpretability.

**Applied Deep Learning course** Maziar Raissi, University of Colorado Boulder.

**Machine Learning Specialization** Certification delivered by Stanford Online.

**Private tutor** 100+ hours of courses in Mathematics and computer science for undergraduate students.

## SKILLS

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<b>Frameworks</b>	Pytorch, Tensorflow, Pandas, NumPy, Sklearn, OpenCV, Plotly, Streamlit
<b>Technologies</b>	Bash, Linux, Docker, AWS, Jupyter, Git, Weights & Biases