



Clement Wang

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Links

 [GitHub](#) clementw168
 [LinkedIn](#) clem-wang

Tech skills

DATA SCIENCE

- Pytorch
- Tensorflow
- OpenCV
- Scikit learn
- Pandas, Numpy

ALGORITHMS

- Decision trees, XGBoost
- Regression, SVM
- PCA, TSNE
- Neural network, CNN, RNN, Transformer
- Genetic algorithm

TOOLS

- Git
- Bash
- Jupyter
- Weights & Biases
- SQL


Languages

- French, native language
- English, IELTS 7.0
- Chinese

Extracurricular

MACHINE LEARNING SPECIALIZATION

STANFORD ONLINE

 Aug 2022


FRENCH ROBOTIC CUP

 Dec 2020 - July 2021

- Detecting objects and obstacles in a game board
- Retrieving the coordinates of the robot by detecting the edges of the board

PRIVATE TUTOR

LES SHERPA

 Dec 2020 - Apr 2021

70+ hours of courses in Mathematics and computer science for undergraduate students

Profile

Master of Engineering student with one year of internship experience in Data science. Looking for a five-to-six-months internship starting from February 2023.

Education

MASTER OF ENGINEERING CENTRALESUPÉLEC

 Sept 2020 – Ongoing

 Paris, France

- Cumulative GPA: 3.84
- 2nd best French engineering school and part of the University of Paris Saclay, 16th in the Shanghai Ranking.
- Relevant Coursework: Machine learning, Statistics and learning, Parallel calculus, Big data in health, Algorithm & programming, Game theory, Signal processing.

PREPARATORY COURSES

LYCÉE HENRI IV

 Sept 2018 – Jul 2020


 Paris, France

- Highly selective 2-year program, offering intensive preparation to enter the French "Grandes Ecoles".
- Relevant Coursework: Algebra, Analysis, Probabilities, Quantum mechanics, Thermodynamics, Electromagnetism, Computer science.

Professional experience

DATASCIENTIST INTERN POLYGON TECHNOLOGIES, INC.

 Aug 2022 – Ongoing

 Santa Monica, US

- Converting Torch Lua face landmarks model to Pytorch, enabling conversion from 2D annotations to 3D annotations.
- Refactoring a monorepo of 50,000 lines of code into packages of deep learning modules.
- Audio and image feature extraction from video, using voice activity detection, face landmarks and head pose.

Techs: Pytorch • OpenCV • Poetry

MACHINE LEARNING CONSULTANT PARIS DIGITAL LAB

 Feb 2022 – Jul 2022

 Paris, France

- **French Ministry of Armed Forces:** Testing Deep learning algorithms on radio processing tasks to replace heavy radio equipment. Achieved 0.95 mAP @ IOU 0.5 training YOLOv3.
- **L'Oréal:** Retrieving optical properties of lipstick from selfies. Implementing the fine-tuning pipeline for deep regressions with uncertainty estimations, achieving 1% normalized MSE.
- **Oorion:** Exploring automatic annotation of classification and object detection dataset using Referring expression comprehension, zero-shot and few shot algorithms.

Techs: Pytorch • Tensorflow • OpenCV • Hugging face • Weights & Biases

PRESIDENT AUTOMATANTS

 Oct 2020 – Jan 2022

 Paris, France

AI student organization of CentraleSupélec, promoting Machine Learning.

- Managing a team of 20 people and organizing events and competitions.
- Providing courses and practical works to 50+ people.
- Gathering knowledge and writing summaries from 70+ research papers.
- Teaching beginners to implement Neural Style Transfer from the paper.