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
- Bash, Git
- SQL
- Jupyter
- Streamlit, Plotly
- Weights & Biases
- Poetry

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

Extracurricular

MACHINE LEARNING SPECIALIZATION
Stanford Online
📅 Aug 2022

APPLIED DEEP LEARNING COURSE
Maziar Raissi - University of Colorado Boulder
📅 Mar 2022 - Ongoing

FRENCH ROBOTIC CUP
📅 Dec 2020 - Jul 2021
Detecting objects and obstacles in a game board

PRIVATE TUTOR
Les Sherpa
📅 Dec 2020 - Apr 2021
70+ hours of courses in Mathematics and computer science for undergraduate students

Profile

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

Education

MASTER OF SCIENCE Ecole Centrale-Supélec, Paris
📅 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
- Fine-tuning a 2D-to-3D face landmarks model.
- Extracting audio and image features on video data, using voice activity detection, face landmarks and head pose.
- Speech-to-text processing using AWS Transcribe.
- Interactive data visualization using Plotly on a Streamlit web application.
- Time-series classification on audio, image and natural language features.

Techs: Pytorch • OpenCV • Poetry • Plotly • AWS

MACHINE LEARNING CONSULTANT Paris Digital Lab
📅 Feb 2022 – Jul 2022 📍 Paris, France
Three real-world projects with different companies
- **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 lipstick from selfies. Estimation of optical properties of lipsticks 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.