# Yann Millet

Paris, France  yann [dot] millet [at] zimbra [dot] polytechnique [dot] fr  Portfolio  LinkedIn  GitHub

## Education

**Polytechnique Institute of Paris (M2)** *Sept 2024 – today*
*M.Sc. in AI and Data*

- Shared schedule between Telecom Paris and École Polytechnique
- **Coursework:** Deep Learning for Computer Vision (TP), Machine Learning with Graphs (TP), Advanced Deep Learning (X), Data Visualization (X), Text Mining and NLP (X), Big Graphs Databases (TP), Logic and Symbolic AI (TP)
- **Technologies:** d3.js, Neo4j, Cypher, Protege

**Telecom SudParis** *Sept 2021 – today*
*Engineering Diploma - AI Specialization*

- **Coursework:** Machine Learning, Deep Learning, Optimization, Stochastic Processes, Computer Vision

**Universidad Carlos III Madrid** *Jan 2024 – Jul 2024*
*Erasmus - BSc Data Science*

- **Coursework:** Simulation in Probability and Statistics, Machine Learning, Artificial Intelligence, Numerical Methods for Finance and Economy
- **Technologies:** R, R Studio, Weka, Matlab

## Experience

**Graph Machine Learning Intern** *Palaiseau, France*
*SAMOVAR - Télécom SudParis* *Mars 2025 – Sept. 2025*

- Creation of a dataset and publication in a conference (JTH publication).
- Litterature review in order to create a new model able to use the maximum potential of the dataset.
- Creation of the new model: GNN et Temporal Knowledge Graphs (TKG).

**R&D Computer Vision Intern** *Paris, France*
*OpenMind Neurotechnologies* *Sept 2023 – Jan 2024*

- Proof of Concept of accurate web eye-tracker (Javascript)
- Litterature review of state of the art eye-tracking techniques
- Setup development pipeline (working project, data collection, cleaning, preprocessing and analysis, iterations)
- Analysis of test data (Python)

**Web Developer Intern** *Esch, Luxembourg*
*Neofacto* *June 2022 – Aug 2022*

- Developed a showcase website from scratch (Vue.js, nuxt.js, HTML/CSS/JS)
- Trained my successor to take over and pursue my work
- Work hand in hand with Communication and Marketing services

## Publications

**JTH: A Dataset for Evaluating Cold-Start and Temporal Dynamics in Job Recommendation** May 2025

***Yann Millet***, Éric Behar, Julien Roméro

inproceeding/RecSys-Prague2025

## Projects

**Computer Vision - NeRF**

- Introduce ourselves to NeRF
- Analysis of research papers about NeRF breakthroughs and improvements
- Implementation of a NeRF and fine-tuning of it
- Presentation of our work to PhD Students and Deep Learning teachers
- Tools used: Python

**Data Visualization - Football matches visualization** *github.com/milletyann/FootballDataVisu*

- Create complex visualizations of football data from Statsbomb opendata
- Interactive statistics about matches and players
- Tools Used: Javascript, d3.js, json

**Prediction of Shared Bike Location**

- Dataset Analysis, Feature Engineering, Fine-tuning
- Training of Boosting (LightGBM) and SVR algorithms to predict hourly and daily counts of bike locations
- Tools Used: Python, scikit-learn, lightgbm, pandas, seaborn

**Pole Vault video analysis tool (In Progress)**

- Gathering of datasets to train several models
- Mathematical and Physical computations to get insights about the jump
- Creation of the end-to-end pipeline
- Tools Used: Python, opencv, HuggingFace Space

## Skills

**Languages:** French (Native), English (C1/C2), Spanish (A2), German (A2)

**Programming languages:** Python, Javascript, Cypher, SQL, Bash, LaTeX, R, Matlab

**Technologies:** Git, Neo4j, Weka, json

**Python frameworks:** Scikit-learn, Pandas, PyTorch, Tensorflow, Keras

## Interests

**Sport:** Track and field, Calisthenics, Table-tennis, Volleyball, Football

**Creativity:** Video Editing, Audio Mixing

**Music:** Guitar