



Contact

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[in/louis-lenouvel/](#)

[Eportfolio](#)

[LenouvelLouisDev](#)

Formation

Computer Engineering Degree (apprenticeship)
ISEP, Paris
Specialisation: Data Intelligence (AI/Data Science)
2023–2026

Academic semester abroad (planned) Hanze University, Groningen (Netherlands)
Course: System Modelling, Leadership & Intercultural Teamwork February–April 2026

B.U.T. Computer Science Paris Cité University (Descartes)
Development & Data Course 2021–2023

General Baccalaureate (Maths & NSI) Honours Advanced Maths Option 2021

Skills

IT:

AI & Data Science :

- Python (Pandas, NumPy, Scikit-Learn, TensorFlow/PyTorch)
- Machine Learning: supervised/unsupervised models, evaluation & metrics
- Data Mining, Feature Engineering, Data Preparation & Cleaning
- Statistical Modelling, Regression, Classification, Clustering

Development & Tools :

- Python, SQL, JavaScript
- APIs & Backend: FastAPI, Node.js
- Docker, Git, CI/CD

Databases :

- PostgreSQL, MySQL, SQLite
- Modelling: MCD, UML, MERISE (basic)

Web :

- HTML5, CSS3, JavaScript, TypeScript
- Frameworks: Angular / Bootstrap

Languages:

- French: fluent
- English: B2 (885 TOEIC score)
- German: basic knowledge

Driving licence B and A2

Lenouvel Louis

As a work-study engineering student at ISEP, specialising in AI and Data Science, I design and deploy machine learning models applied to data. After graduating in September 2026, I would like to pursue a first position in AI/Data Engineering in order to provide reliable, industrialised and performance-oriented solutions.

Projects

• DATA PIPELINE – LEARNING ANALYTICS (IKIGAI GAMES)

- Design of an end-to-end xAPI pipeline for ingesting and processing educational data.
- Development of FastAPI APIs and automation of ETL workflows.
- Docker containerisation and implementation of CI/CD for reliability and scalability.
- Languages & tools: Python, FastAPI, PostgreSQL, Docker, Git, CI/CD, xAPI.

• TO BEE OR NOT TO BEE

- Classification and segmentation of 347 images of pollinating insects (bees vs. bumblebees)
- Extraction of visual features and ML modelling to differentiate species
- Languages & tools: Python, scikit-learn, TensorFlow, OpenCV

• AUTOMATED DETECTION OF DEEPFAKES

- Development of a DL solution to identify deepfakes in a dataset of 16,000 diverse images.
- EfficientNet-B0 frozen architecture + trained lightweight head.
- Languages & tools: Python, PyTorch, TensorFlow, Streamlit.

• METRO VISION

- Detection and classification of line pictograms from real images (station photographs)
- Extraction of visual features + supervised ML model (multi-class classification)
- Languages & tools: Python, scikit-learn, OpenCV

Professional Experience

• SEPTEMBER 2023 - SEPTEMBER 2026

IKIGAI Games for citizens

Fullstack Developer Internship - Data

- Development of Python APIs (FastAPI) for collecting and using educational events in xAPI format (EdTech standard).
- Extraction, transformation and validation of usage data from educational games.
- Contribution to data quality and consistency: automatic checks, standardisation, monitoring.
- Implementation of automation scripts (Docker) and technical documentation.
- Tools: Python, FastAPI, Docker, xAPI, Git.

• APRIL–MAY 2023

IKIGAI Games for citizens

Full-stack developer intern

- Analysis of anomalies and improvement of the reliability of existing data and features.
- Integration of new front-end and back-end features.
- Support for the evolution of the platform's educational ecosystem.
- Tools: Angular, JavaScript

Qualities and interests

- Serious, hard-working, thorough, team player, committed.
- Practising judo for 6 years: discipline, endurance & preparing for black belt.
- Language trips (Germany, England) and interest in working abroad.
- Creating applications and exploring AI projects (vision, deep learning, Python APIs).