

# Noé LE YHUELIC

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## EDUCATION

### ESILV (Ecole Supérieure d'Ingénieurs Léonard de Vinci)

Courbevoie / France

Sep 21 – Jun 26

- Courses: Algorithms, Complexity, Mathematics, Mechanics, Electricity
- Major: DATA & Intelligence Artificielle
- Ranked 6th out of 500 students during the 2nd year

### SWINBURNE University

Melbourne / Australia

Jul 23 – Dec 23

- Engineering program in a fully English-speaking, international context

### Lycee Montalembert

Courbevoie / France

Sep 18 – Jun 21

- Specializations: Mathematics, Physics, Computer Science

## PROFESSIONAL EXPERIENCES

### BOUYGUES TELECOM - PROD SI

Velizy / France

*Apprentice – Task Automation & Optimization (AUTOP)*

Sep 24 – present

- Implemented Camunda (BPMN) to automate internal processes
- Developed an application for the annual audit of 200 employees
- Skills developed: React, TypeScript, Java (Spring Boot), Oracle DB, Agile teamwork (Jira), priority management

### MAISON MARQUES

Asnieres Sur Seine / France

*Sales Assistant – Bakery*

Jun 24 – Jul 24

- Customer advising and order taking
- Skills developed: Customer interaction, teamwork skills

### NATRAN (ENGIE Subsidiary)

Bois Colombes / France

*Data Analysis Intern*

1 month in 2023

- Data analysis on compression stations
- Automated reporting with advanced Excel functions and database management
- Skills developed: Autonomy, reporting, database handling

## PROJECTS

*Voice-Interactive Conversational AI Agent*

LangChain | PostgreSQL | Ollama

- Design and development of a generative AI assistant enabling real-time, two-way spoken conversations.
- Used LangChain for orchestration and conversation flow, Ollama for local LLM inference, and PostgreSQL to store reservations, orders, and conversation data.

*XAI Pipeline for Deep Learning Models*

TensorFlow | React | FastAPI | XAI Libraries

- Designed, trained and evaluated deep learning models for audio deepfake classification and lung cancer detection.
- Integrated SHAP, LIME and Grad-CAM to provide visual and feature-level explanations of model predictions.

*Hackaton winner ESILV x IBM*

Python | Vue.js | Elasticsearch | MariaDB

- Designed a RAG system for a help center database using embeddings and GPT models

## COMPUTER SKILLS

- Programming Languages: Python, C#, Java, JavaScript, React
- Deep Learning / Data Science: PyTorch, TensorFlow, Scikit-learn, Pandas, Hugging Face, Kaggle
- Data Visualization: Tableau, Matplotlib, Seaborn
- Databases: SQL (MySQL, Oracle), NoSQL (MongoDB, Elasticsearch)
- Tools & Methodologies: Jira, GitLab/GitHub, CAMUNDA (BPMN), Docker, Microsoft Office

## LANGUAGES

- French: native
- English: Fluent (6 months abroad)
- Spanish: Basic - A2 level

## INTERESTS & HOBBIES

- **Sports**: Achieved a tennis and badminton ranking, playing 10 years, while being an active member of a climbing club
- **Music**: Developed piano skills over 15 years, performing in small concerts during childhood and adolescence.