



# Valentine Fleith

## Software Engineer

### Profile

Software Engineer at Illuin Technology since March 2025

### Contacts

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### Skills

- Programming Languages:** C/C++, Python, TypeScript, Java, Rust, Bash
- Frameworks:** NestJS, Spring Boot, Angular
- Machine Learning / Data:** PyTorch, NumPy, Pandas, Scikit-learn, Hugging Face transformers, Matplotlib
- Tools :** Docker, Git, Pulumi, CI/CD

### Language

- French (native)
- English (C2)

### Experience

- sept 2025 - now**  
Puteaux
- march - aug 2025**  
Puteaux
- jun - sept 2024**  
Palaiseau / Paris
- Software Engineer**  
Illuin Technology
    - Contribution to the development of **Speech Analyzer**, an advanced platform for the **AI-driven analysis** of conversational data (LLM-as-a-judge methods, NLU...)
  - Software Engineer Intern**  
Illuin Technology
    - Contribution to the development of **Illuin Dialogue**, a low-code platform for conversational bot orchestration and deployment.
    - Designed and implemented a **new analytics module** to monitor the performance of **LLM-based conversational agents**.
    - Contribution to the **Agent-Analyzer** component for **Speech Analyzer**, providing deep-dive performance metrics for agentic bots
  - Research Intern**  
Télécom Paris / Inria
    - Automatic analysis of **audio components** of public speeches
    - Extraction of audio features and **machine/deep learning analysis**
    - Application of statistical methods and exploration of **explainable AI (correlations, SHAP values)**
    - Development of new audio-textual features

### Education

- 2023 - 2025**  
Paris
- 2023 - 2025**  
Paris
- 2018 - 2021**  
Rouen
- Computer Science**  
42 Paris
    - Disruptive pedagogy based on **peer learning**. Collaboration with multicultural and international profiles.
    - C/C++ languages** through various projects (rewriting UNIX tools, graphical projects, etc.), and **Python** for Machine Learning
  - Master's in Natural Language Processing**  
Universités Sorbonne Nouvelle /Paris-Nanterre /Inalco
    - Skills for **NLP** and **Data Science**: programming courses, mathematics, machine learning, LLMS, computational linguistics. (With Highest Honors)
  - Preparatory Class (*Hypokhâgne/Khâgne*)**  
Lycée Jeanne d'Arc
    - Completion of a Bachelor's degree in Modern Literature at the University of Rouen (With Highest Honors) + Attainment of **partial admission qualification for the ENS** (École Normale Supérieure) of Lyon.