

Estelle Zheng

Paris 75019

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Education

LORIA at University of Lorraine

Ph.D - Computer Science

Subject : Finetuning LLMs for planning and acting with APIs.

Nancy, France

2024–now

Institut Polytechnique de Paris

Master - Applied Mathematics for Data Science, High Honors

— **M1** - Grade 16.01/20

— **M2** - Grade 15.90/20

— Overall GPA : 3.85/4.00

Palaiseau, France

2021–2023

Sorbonne University

Bachelor - Major in EE and Minor in Mandarin Chinese, High Honors

Paris, France

2018–2021

Experience

Alcatel-Lucent Enterprise

Industrial Ph.D Candidate

Subject : Finetuning LLMs for planning and acting with APIs.

Nancy, France

May 2024–now

Allianz

Data Scientist Intern

Implementation of a model for detecting agri-food companies using NLP.
End-to-end development from dataset creation to production deployment.

Puteaux, France

April 2023–Sept 2023

LOCEAN at Sorbonne Université

Deep Learning Intern

Satellite chlorophyll prediction using dynamic data.

Performance comparison with a U-Net and multiple CNNs.

Paris, France

Mars 2023

Télécom SudParis

Online Diarization Intern

Evry, France

Jul 2022 – Sept 2022

Diarization is the process of partitioning audio to determine who is speaking and when.

Data cleaning using Webrtcvad (VAD) and segmentation of these audio files.

Data extraction from RTTM files to verify the model's accuracy.

Skills

Programming languages: C, Python, PySpark, Bash, SQL, SAS

Development tools: VS Code, PyCharm, MySQL, Git, Linux

Languages

French: Fluent

Native

English: Fluent

Reading books in English since 14

Mandarin Chinese: Intermediate

Native