Estelle Zheng

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Education

LORIA at University of Lorraine   **Nancy, France**
Ph.D - Computer Science   *2024–now*
Subject : Finetuning LLMs for planning and acting with APIs.

Institut Polytechnique de Paris   **Palaiseau, France**
Master - Applied Mathematics for Data Science, High Honors   *2021–2023*
— **M1** - Grade 16.01/20
— **M2** - Grade 15.90/20
— Overall GPA : 3.85/4.00

Sorbonne University   **Paris, France**
Bachelor - Major in EE and Minor in Chinese Mandarin, High Honors   *2018–2021*

Experience

Alcatel-Lucent Enterprise   **Nancy, France**
Industrial Ph.D Candidate   *May 2024–now*
Subject : Finetuning LLMs for planning and acting with APIs.

Allianz   **Puteaux, France**
Data Scientist Intern   *April 2023–Sept 2023*
Implementation of a model for detecting agri-food companies using NLP.
End-to-end development from dataset creation to production deployment.

LOCEAN at Sorbonne Université   **Paris, France**
Deep Learning Intern   *Mars 2023*
Satellite chlorophyll prediction using dynamic data.
Performance comparison with a U-Net and multiple CNNs.

Télécom SudParis   **Evry, France**
Online Diarization Intern   *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   *Learnt at school*
English: Fluent   *Reading books in English since 14*
Mandarin Chinese: Native   *Learnt at home*