



# Kira Grudinina

Data & GenAI Engineer

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Paris, France

## EXPERIENCE

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09/2024 - Present

### AI Engineer

opsci.ai ↗

- Designed and implemented end-to-end data pipelines for multilingual claim-matching, ingesting and transforming unstructured, noisy text data (social media posts) and enabling embedding-based retrieval and LLM-powered workflows under production constraints (latency, cost, robustness).
- Built and evaluated retrieval pipelines by combining multilingual embeddings, various reranking strategies, and instruction-tuned LLMs, comparing configurations to select production-ready trade-offs between quality, performance, and operational cost.
- Integrated supervised contrastive fine-tuning of a multilingual embedding model (jinaai/jina-embeddings-v3) into the retrieval pipeline, improving recall and positive/negative separation on real-world, noisy data, and reducing language-driven bias observed in downstream systems.
- Developed automated evaluation and validation pipelines for GenAI workflows (hallucination detection, red-teaming), used as quality and safety gates before deployment of LLM-based systems (in production).

07/2024 - 09/2024

### Research Intern – Speech & Prosody

CNRS - Multispeech ↗

- Extended a prior academic project on French prosody coaching, personally recording native and non-native speakers with professional audio equipment, following experimental setup and annotation guidelines.
- Evaluated pitch-tracking and TTS models (CREPE, FCN-F0, RMVPE, Tacotron 2, FastSpeech 2, Glow-TTS) on this corpus and built data-processing pipelines for F0 contours (using Praat) and prosodic features, contributing to prosody-aware TTS and pronunciation-training prototypes.

03/2020 - 07/2024

### Founder & Director – Online Language School

Start Smart

- Founded and ran an online language school offering English and Chinese courses to 50+ learners, managing curriculum design, marketing and day-to-day operations.
- Designed personalised training programs for individuals and corporate clients, improving learners' experience.

## EDUCATION

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09/2023 - 08/2025

### Natural Language Processing (computer science-oriented track) ↗

University of Lorraine

MSc

09/2009 - 07/2014

### Theoretical and Applied (Computational) Linguistics ↗

South Ural State University

MA

## CERTIFICATES

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11/2022 - 01/2023      **Mathematics for Data Science ↗**  
NETOLOGY

10/2022 - 02/2023      **Python for Data Analytics ↗**  
NETOLOGY

## SKILLS

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Python	RAG
SQL	REST APIs (FastAPI)
Data ingestion and transformation pipelines	Docker
Embeddings and vector search (FAISS / Chroma)	GPU inference
Hugging Face, vLLM	AWS / GCP / Lambda Labs

## LANGUAGES

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Chinese (Mandarin) (HSK 5)	Fluent	English (IELTS C1)	Fluent
Russian	Native	French (DALF C1)	Fluent