

Aurélie Gallet

Montréal, QC | aurelie.gallet@mail.mcgill.ca | +1 (514) 944 4903
GitHub: github.com/aureliegallet | LinkedIn: linkedin.com/in/aurelie-beijia-gallet/

Education

Master of Science Computer Science McGill University, Canada – GPA: 4.0/4.0 <i>Relevant Coursework:</i> Natural Language Understanding with Deep Learning, Applied Machine Learning	2025 – present
Bachelor of Science Artificial Intelligence University of Groningen, Netherlands – Graduated Summa Cum Laude <i>Relevant Coursework:</i> Machine Learning For Industry, Neural Networks, Reinforcement Learning	2022 – 2025

Research Experience

Expert Elicitation and Sycophancy in Large Language Models (LLMs) <i>Graduate Research project, McGill University</i>	Oct 2025 – Dec 2025
<ul style="list-style-type: none">Evaluated the impact of expert persona elicitation on LLM robustness to misleading feedback using few-shot prompting within a multi-turn forecasting pipeline implemented via the OpenRouter APIQuantified sycophancy-related robustness using Brier scores and an LLM-as-judge framework for reasoning consistency, finding that domain-aligned expert prompting improved robustness in 7 out of 9 models	

Impact of Contrastive Learning on Explanation Quality <i>Bachelor's Thesis, University of Groningen</i>	Feb 2025 – Jul 2025
<ul style="list-style-type: none">Compared Supervised Contrastive Learning versus Cross-Entropy loss on Grad-CAM explanation quality using PyTorch and scikit-learn on skin cancer classification images (HAM10000 dataset)Performed statistical tests and found a statistically significant improvement in explanation faithfulness (median IROF: 70.39 vs 51.36)	

Projects

Pollution Forecasting System	Sep 2024 – Nov 2024
<ul style="list-style-type: none">Trained LSTM ensemble model for 3-day NO₂/O₃ pollution forecasting using environmental data from multiple governmental organizations with feature engineering for temporal and seasonal patternsDeployed proof-of-concept model on Hugging Face with automated daily predictions, REST API for real-time inference, and administrative dashboard for monitoringBuilt validation and monitoring for the deployment pipeline (missing data checks, KS-test drift detection, out-of-range warnings) and defined MAPE-triggered retraining criteria	

Office Equipment Inventory System	Feb 2024 – Jun 2024
<ul style="list-style-type: none">Co-developed a full-stack web application for client Gomibo/Belsimpel to replace their manual Excel-based inventory tracking systemImplemented the employee search/detail (equipment, teams) views in React (HTML/CSS/JS) and integrated them with the Laravel/MySQL backend, deployed via Docker	

Skills

- Programming:** Python, Java, C, SQL, R, LaTeX, Git
- ML & Data:** PyTorch, scikit-learn, NumPy, Pandas, Matplotlib, Seaborn, TensorBoard
- Deployment:** Docker, Hugging Face, FastAPI/Flask, HPC/GPU clusters
- LLM & Prompting:** Hugging Face Transformers, OpenRouter API, Prompt Engineering, Few-Shot Learning
- Languages:** English (native), French (native)