CLÉA CHATAIGNER

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Website: cleachataig.github.io

PRESENTATION

I am a PhD student in Computer Science at McGill University and Paris-Saclay University, jointly affiliated with the Quebec AI Institute (Mila) and the International Laboratory on Learning Systems (ILLS). My supervisors are Professor Golnoosh Farnadi and Professor Pablo Piantanida. My research focuses on developing reliable and comprehensive evaluation methods for Large Language Models (LLMs), to better understand their capabilities, limitations, and real-world impact.

Research Interests: *Large Language Models (LLMs); Evaluation; Reliability; Robustness; Fairness*

EDUCATION

McGill University, Paris-Saclay University　　　　　　　　　　　　　　　　　　　2025-2029
PhD in Computer Science, in a co-tutelle agreement　　　　　　　　　　　　　　Montréal and Paris
- Advisors: Golnoosh Farnadi, Pablo Piantanida
- Courses: Probabilistic Analysis of Algorithms, Large Language Models

McGill University　　　　　　　　　　　　　　　　　　　　　　　　　　　　　2023-2025
Master of Science in Computer Science - 3.93 GPA　　　　　　　　　　　　　　Montréal, Canada
- Courses: Reinforcement Learning, Representation Learning, Natural Language Processing, Responsible AI, Evaluation of NLP Systems, Multilingual Representation Learning
- 3 research assistantships/interships conducted

CentraleSupélec - Paris Saclay University　　　　　　　　　　　　　　　　　　2020-2025
Bachelor and Master of Engineering – 4.0 GPA　　　　　　　　　　　　　　　　Paris, France
- Courses: Advanced Probabilities and Statistics, Algorithmic and Programming, Machine Learning

WORK EXPERIENCE

EQUAL Lab | Mila　　　　　　　　　　　　　　　　　　　　　　　　　Montréal, Canada
Research assistant　　　　　　　　　　　　　　　　　　　　　　　　　　　　Winter 2025
- Developing the AUGMENT framework
- Paper accepted for poster presentation at WIML NeurIPS 2025 workshop

International Laboratory on Learning Systems | ETS, Mila　　　　　　　　　　　Montréal
Research intern　　　　　　　　　　　　　　　　　　　　　　　　　　　　　Fall 2024
- Applying a novel uncertainty measure within a conformal prediction framework

EQUAL Lab | Mila　　　　　　　　　　　　　　　　　　　　　　　　　　　Montréal
Research assistant　　　　　　　　　　　　　　　　　　　　　　　　　　　Summer 2024
- Evaluating multilingual hallucination gaps in LLMs using the FactScore metric
- Paper accepted for poster presentations at 2 NeurIPS 2024 workshops

PemPem　　　　　　　　　　　　　　　　　　　　　　　　　　　　　　　Montréal
Part-time Datascientist　　　　　　　　　　　　　　　　　　　　　Sept 2023 - April 2024
- Applying ML and statistical techniques for commercial ratios estimation

Hanalog | Polytechnique Montréal　　　　　　　　　　　　　　　　　　　　Montréal
Research intern　　　　　　　　　　　　　　　　　　　　　　　　　　Jan - July 2023
- Applying OR techniques (MIP and CP) on a patient scheduling problem for a university hospital

Capgemini Invent　　　　　　　　　　　　　　　　　　　　　　　　　Paris, France
DataScientist intern　　　　　　　　　　　　　　　　　　　　　　　　July - Dec 2022
- Predicting a score with health professionals to help triage trauma patients for the Traumatrix project

PUBLICATIONS

Say It Another Way: Auditing LLMs with a User-Grounded Automated Paraphrasing Framework

C. Chataigner, R. Ma, P. Ganesh, Y. Chen, A. Taïk, E. Creager, and G. Farnadi

- *Pre-print Arxiv*
- Oct 2025 - Available: https://arxiv.org/abs/2505.03563

Multilingual Hallucination Gaps

C. Chataigner, A. Taïk, and G. Farnadi

- *Proceedings of the Algorithmic Fairness Through the Lens of Metrics and Evaluation*, M. Rateike, A. Dieng, J. Watson-Daniels, F. Fioretto, and G. Farnadi, Eds., ser. Proceedings of Machine Learning Research, vol. 279, pp. 133–155
- 14 Dec 2024 — Available: https://proceedings.mlr.press/v279/chataigner25a.html

GRANTS

Women In Machine Learning Travel Grant | 900 $US   Dec 2025
Travel Grant to attend the WIML workshop at NeurIPS 2025 in San Diego, USA.

ADI research funding program | 66,505 $CAD   2026-2028
Awarded through a national competitive selection process in France.

Women In Machine Learning Travel Grant | 700 $US   Dec 2024
Travel Grant to attend the WIML workshop at NeurIPS 2024 in Vancouver, Canada.

SKILLS SUMMARY

Languages	French (Native), English (IELTS: 8.0 overall), Spanish (A2)
Programming	Python, MATLAB, SQL, LaTex