

Aurélie Gallet

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Education

Master of Science Computer Science

2025-present

McGill University, Canada

- Following the Machine Learning stream to further Artificial Intelligence expertise
- Relevant Coursework: Natural Language Understanding with Deep Learning, Applied Machine Learning, Human-Computer Interaction

Bachelor of Science Artificial Intelligence

2022-2025

University of Groningen, Netherlands (graduated summa cum laude)

- Enrolled in Computing Science courses to enhance Artificial Intelligence studies
- Relevant Coursework: Imperative Programming, Object Oriented Programming, Functional Programming, Algorithms and Data Structures, Reinforcement Learning, Machine Learning For Industry, Neural Networks, Software Engineering

Work Experience

Robertet: French perfume company in Grasse

Quality Control Technician

July 2023-August 2023

- Performed and documented tests on perfume extracts to measure their density, refractive index, rotatory power, flash point, peroxide value, acid value and ester value.
- Uploaded tests results to the company's AS400 system and flagged discrepancies when results were out of range to ensure compliance to client standards.

European Telecommunications Standards Institute, Sophia-Antipolis, France

Observation Intern

December 2018

- Shadowed professionals across various departments, learning about Human Resources, Accounting, General Services, Plugtests, Event Managing, External Relations and Legal.
- Learned about the impact of standards on ensuring interoperability, security and compatibility within the telecommunications industry.

Projects

Bachelor's Thesis: Explainable AI

2025

- Researched the benefits of Supervised Contrastive Learning vs. Cross-Entropy on Grad-CAM explanation quality using skin cancer classification images.
- Technologies: scikit-learn, PyTorch, Python, HPC Cluster with GPUs

Pollution Forecasting

2024

- Built and deployed an Ensemble of Long Short-Term Memory models that outputs a three-day forecast of nitrogen dioxide and ozone pollution levels in the city of Utrecht.
- Technologies: scikit-learn, PyTorch, Python, Quart, MongoDB

Office Equipment Inventory system

2024

- Worked with our client Gomibo/Belsimpel to create a web application for their internal inventory system.
- Technologies: Laravel, InertiaJS, React, MySQL, Docker, HTML, CSS, Javascript

Skills

- **Additional Technical Skills:** Java, C, Haskell, NetLogo, ACT-R, R, LaTeX
- **Languages:** English (mother tongue), French (mother tongue), German (B1)