

Experience

HINGE HEALTH – SENIOR MACHINE LEARNING SCIENTIST	CANADA, 02.25 –
<ul style="list-style-type: none">Designed and released clustering and sequence models, increasing program retention and billables by 2%.Implemented a personalized LLM-exercise recommendation system that adapts dynamically to patient needs.Applied large-scale NLP pipelines to analyze millions of provider–patient interactions for better PT adherence.	
MICROSOFT – RESEARCH SCIENTIST II	CANADA, 05.24 – 01.25
RESEARCH SCIENTIST I	05.21 – 04.24
RESEARCH INTERN	09.19 – 09.20
<ul style="list-style-type: none">Led responsible multimodal AI initiatives, reducing user harm by 30%, improving user safety and trust.Developed ML/LLM-powered toolkits, empowering thousands of users to generate code seamlessly.Enhanced Automatic Speech Recognition (ASR) models by 5% in accuracy using cutting-edge techniques.Productionized ASR models, enabling efficient integration and use between teams.Managed two interns including reporting and delegation of tasks and scheduling.	
CHAMPLAIN COLLEGE, MCGILL UNIVERSITY – RESEARCHER & CS LECTURER	CANADA, 09.20 – 05.21
<ul style="list-style-type: none">Taught CS courses while researching at McGill University (MILA), received excellent reviews from all subjects.	
GERMAN RESEARCH CENTER FOR AI (DFKI) WITH SIEMENS – GRADUATE RESEARCHER	GERMANY, 12.16 – 08.19
<ul style="list-style-type: none">Built a Python framework for traffic signal recognition, 10% improvement using deep learning.Enhanced software capabilities with weather forecasting and safety regression functionalities under diverse conditions.	

Education

MILA, QUEBEC INSTITUTE FOR AI: UNIVERSITY OF MONTREAL, MCGILL UNIVERSITY – MS in ML.	CANADA, 2024
ERASMUS MUNDUS MASTER: TU BERLIN & KAISERSLAUTERN, FU BOZEN – MS in CS/SE.	GERMANY, ITALY, 2019
MCGILL UNIVERSITY – BA in CS & Econ. AP credits (Lexington, HS), bursary, 8-month study in Mexico.	CANADA, 2015

Skills

PROGRAMMING: python, java, sql, pytoch, tensorflow, scikit-learn, hugging face, databricks.
LANGUAGES: Fluent – English, Spanish, French. Conversational – Italian, German.

Publications & Awards

ARXIV – Diagnosing COVID-19 Severity from Chest X-Ray Images Using ViT and CNN Architectures.	2025
NEURIPS WIML CONFERENCE – Improving Harm Reduction Tactics For Multi-Modal Software Solutions.	2024
ACOUSTICS WEEK – Enhancing Automatic Speech Recognition of a Regional Dialect: A Pilot Study with Québécois.	2023
RBC FUTURE LAUNCH SCHOLARSHIP – Full Scholarship (6k) for studies at MILA. Twice awarded.	2023
SOFTWARE FOR ML CONFERENCE – Refining a Data-Driven Model Uncertainty with Traffic Sign Recognition.	2022
EUROPEAN CONFERENCE ON SIGNAL PROCESSING – Non-Intrusive Estimation of Speech Signal Parameters.	2021
ERASMUS MUNDUS SCHOLARHSIP – Full Scholarship (48k, over two years) for masters studies, ranked 1st of 2000.	2019