

GREGOIRE FOURNIER

MATHEMATICS PHD, ML ENGINEER

Machine Learning Engineer with 7+ years of experience in research and innovation, delivering impactful AI solutions in healthcare and circuit design.

LEADERSHIP

I excel at collaborating across diverse backgrounds, be it in classrooms with students from various disciplines or in complex projects involving specialists such as radiologists, electrical engineers, physicists or legal practitioners.

SKILLS

Machine learning, Statistics
Python, Pytorch, AWS, SQL, Java
Initiative-driven, Fast learner

CONTACT

Chicago, IL

773-964-2443

gregoire.fournier5@gmail.com

[linkedin.com/in/gregoire-fournier/](https://www.linkedin.com/in/gregoire-fournier/)

github.com/ssggreg

<https://ssggreg.github.io/>

No visa required.

EXPERIENCE

PHD RESEARCHER – U. OF ILLINOIS CHICAGO 2020-2025

I was the main contributor of interdisciplinary projects across multiple institutions: in CS Law we generated legal reasoning using LLMs, in graph ML we investigated interpretability, and in Logic developed logics complexity for GNNs.

ML ENGINEER - GUSTAVE ROUSSY (FRANCE) 2019-2020

Focused on deep learning and computer vision projects:

- Contributed to the development of a state-of-the-art brain tumor segmentation tool to assist radiologists and medical physicists.
- Led a team of three scientists to build a brain tumor recurrence tool.

RESEARCH INTERN – A*STAR (SINGAPORE) 2019

Researched Bayesian deep active learning techniques for electrical design. Our paper was received at the ISCAS conference in 2022.

DATA ANALYTICS INTERN – ALLSTATE 2018

Designed and built a data visualization and data analysis pipeline to compare and analyze different scoring models in the Auto Claim department.

EDUCATION

PHD MATH AND COMPUTER SCIENCE - UIC 2025

Researching math of machine learning and interpretable AI.

GPA: 4.0, IDEAL graduate fellowship (2023), papers submitted to

LICS 2024, AAAI 2024, accepted to JURIX 2024 conferences.

MS ENGINEERING – CENTRALE LILLE (FRANCE) 2019

Engineering degree with a major in Machine Learning.

GPA: 3.5, SIGPA scholarship recipient (2019).

PROFESSIONAL SERVICE

- Member and organizer (2024) of UIC's Graph Machine Learning research group
- Peer-reviewer for the SDM 2025, NEURIPS 2024, ICLR 2024 machine learning conferences.
- Presenter for IDEAL's workshop on interpretable ML, JURIX 2024 conference, UIC's student logic seminar.
- Built a Telegram ChatGPT-backed Chatbot.