

BILLEL AISSANI

SEEKING A RESEARCH INTERNSHIP IN GENERATIVE AI IN HEALTHCARE

Paris | billem-130@hotmail.fr | +33 7 60 57 89 93 | [LinkedIn](#) | [Github](#)

A graduate engineer with a strong background in data analysis and statistical modeling. I am currently specializing in Artificial Intelligence in Healthcare through a dedicated research master's program. My professional journey has led me to pivot from a career in finance and actuarial science to a deep passion for generative AI, computational biology, and protein design. I am eager to contribute my analytical and mathematical skills to a project that uses AI to solve urgent challenges in the healthcare sector.

SKILLS

Deep Learning & Modeling: PyTorch, TensorFlow, Generative Models (GNNs, VAEs), Scikit-learn.
Data & Bio Tools: Python (NumPy, SciPy, Pandas, RDKit, Biopython), R Studio, Git/Version Control, Bash.
Soft Skills: Proactive, Autonomous, Problem-Solving Aptitude.
Languages : English (C1), French (Native).

EDUCATION

PSL UNIVERSITY, PARIS, FRANCE

Sept 2025 - Jan 2026

MSc in Sciences & Technology for Health (ST4H) - AI in Healthcare Track

- Cheminformatics and Drug Design : **Final Project (In Progress: Fall 2025)** : Applied Deep Learning (GNNs) & Generative Models to Molecular Property Prediction (using MoleculeNet).
- ML for Biological Networks : Computational Methods for Network Reconstruction, Causal Inference.
- ML for Genomics : High-dimensional genomic data, Statistical and ML methods for Genomics.
- Machine Learning and Artificial Intelligence : Machine Learning and Deep Learning.
- BioinfOmics : Multi-omics data analysis, Biological Systems.

CONSERVATOIRE NATIONAL DES ARTS ET MÉTIERS

March 2025 - September 2025

Certificate of Specialization - Artificial Intelligence in Healthcare

- Machine Learning and Deep Learning courses
- Final Project: Applied Deep Neural Network classifier to histopathology images.
- Github Project: Detection of a mutation in the breast cancer using Deep Neural Network**

PARIS DAUPHINE UNIVERSITY PSL

2021 - 2022

Master of Insurance and Risk Management (218)

- Actuarial Science and statistical modeling.

INGENIEUR CIVIL, MINES DE SAINT-ETIENNE

2019 - 2022

General engineering school

- Specialization: Data Science and Applied Mathematics.

SCIENTIFIC PREPARATORY CLASS

2016 - 2019

- Lycée Janson de Sully, Paris 16, Filière PCSI PC

PROFESSIONAL EXPERIENCE

VIE Pricing Analyst, Credit Agricole Creditor Insurance, Dublin

May 2023 - December 2024

- Collect, clean and analyze partners' database in order to be able to perform back testing to update risk assumptions (Death, Disability, Hospitalization, Loss of employment...) for better price adequacy.
- Technologies : SAS, SQL, Microsoft Excel.

Consultant Junior, Exiom Partners, Paris

April 2022 - May 2023

- Pricing Analyst: Pricing of property damage and business interruption insurance contracts for a Canadian broker using a statistical cost-frequency model (BFL Canada). Technology: Python.