BILLEL AISSANI

SEEKING A RESEARCH INTERNSHIP IN GENERATIVE AI IN HEALTHCARE

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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: GNN, VAE, Molecular Transformers,
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**: Applying Deep Learning (GNNs), Generative Models, and Bayesian Optimization techniques for Molecular Property Prediction **(Github)**.
- Biomedical Image Analysis: Classification, Segmentation for major biomedical modalities.
- ML for Genomics: High-dimensional genomic data.
- BioinfOmics: Integration of heterogeneous biological data to model complex 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 Sailly, Paris 16, Filière PCSI PC

PROESSIONAL 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.