Baptiste Geisenberger

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Currently a first-year master's student in Data Science & Artificial Intelligence at Institut Polytechnique, I am seeking a 4 month internship starting from the 24th of March 2025. As a logical thinker with a strong foundation in pure mathematics, I am eager to apply my expertise and hard-work to the exciting field of Machine Learning that I am currently exploring.

Education

Institut Polytechnique de Paris, M.Sc. Data Science & AI. Palaiseau, France.   Sept 2024 – Oct 2026
- **Current grade**: 16.80/20.00.
- **Coursework:** Machine & Deep Learning, Data Mining, Language Models, NLP, Databases, Big Data Systems, Data Visualization, AI Ethics.

Université Paris-Dauphine, Bachelor Mathematics & Computer Science. Paris, France.   Aug 2021 – May 2024
- **Average grade**: 16.10/20.00.
- **Coursework:** Pure mathematics (Algebra, Analysis, probabilities), Statistics, Programming in various Languages, Algorithmic, Numerical Methods.
- **Exchange:** Semester at **University of Toronto**.
- **Rankings:** 6th out of over 200 in year 1 & year 2, 2nd out of 21 in year 3.

Lycée Français Vincent-Van-Gogh, The Hague, The Netherlands.   2019 – 2021
- **French Baccalaureate**: 17.31/20.00, mention "très bien".

Lycée Français Charles de Gaulle, London, UK.   2014 – 2019

Work Experience

Henner (Insurance Company, Paris) : **Internship in Operations Management department**.   June - July 2023
- Developed and updated operational reports incorporating advanced customer analytics to monitor profitability and other strategic KPIs.
- Created queries and macros to normalize and integrate Datamart sources, ensuring accurate data extraction and seamless business reporting.

Tutoring. Provided weekly mathematics and physics lessons to 4 high school students, leading to noticeable progress in their understanding and grades.   Nov 2021 - present

Hiver Solidaire (NPO) : **Volunteer**. Contributed to supporting homeless individuals providing sheltering and reinsertion services during the winter.   Nov 2023 - Jan 2024

PGL : Canteen assistant. In charge of food distribution in a summer camp.   May 2022 - June 2022

Academic projects

Institut Polytechnique : Machine Learning Project. Implementation of a variety of ML models to classify notable events in Twitter streams achieving notable accuracy results.   Nov 2024 - Dec 2024

Institut Polytechnique : Data Visualization Project. User-friendly visualization of the results of a complex multi-level political survey led in south-east Asia using D3 in Javascript.   Nov 2024 - Dec 2024

Paris Dauphine University : Programming Projects in C and Java. Translation of assembly language to machine code. | Development of a plagiarism detector focusing on memory management. | Development of "You are the Hero" game exploring OOP.   Oct 2022 - Dec 2022

Skills & Interests

- **Languages:** French, English - bilingual | German & Spanish B1.
- **Programming:** Python - Pandas, Numpy, PyTorch, Scikit-Learn, PySpark, NetworkX | Jupyter | PostgreSQL | Javascript (D3 & Vegalite), HTML, CSS | C | Java | Haskell.
- **Hobbies :** Music - Digital composition ; guitar, piano, drums | Sports - Football, table-tennis, hiking | Litterature & Philosophy | Geopolitics - transnational governance.
- **Extracurricular projects:** Charity work: Distributed excess food from retailers to charities. | Participated in the development of a podcast station interviewing people about their personal views of music and its cultural connection.