

# Mathieu Nordin

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## Education

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École Polytechnique & HEC Paris – Paris, France  
*Master of Science - MS, Data Science for Business (Joint Degree)*

September 2022 - June 2024

- Year 1 at Polytechnique - Machine Learning, Regression, Optimization, Deep Learning, Statistics, Database Management, Numerical Processing of Financial Data.
- Data science project:: predict bicycle traffic in Paris (learnt about cyclical encoding of date interpolation, MCAR, MAR, different ways of merging dataframes, XGBoost, Catboost)

University of Warwick– Coventry, UK

September 2019 - July 2022

*Bachelor of Science - BS, Mathematics and Statistics – First class honours (75%)*

- Main modules: Linear Algebra 1&2, Analysis1,2&3, Probability1,2&3, Quantitative Economics, Game Theory, Algorithms, Generalized Linear Models for Classification and Regression, Stochastic Processes, Measure Theory, Probability Theory, Bayesian Statistics for Inference and Decision Theory, Mathematics for Machine Learning.
- Co-founded the Warwick Coding Society in September 2021 so that students could learn how to code. As the Head of Content, I was managing the content team whose objective is to provide resources to the students through the website. We created a Python course for beginners as well as an introductory course to SQL that attracted 300 members in the first year.
- Stat Project : predict whether or not customers would subscribe to a financial product using logistic regression and produce a statistical report(executive summary, statistical methodology, model summary, bibliography and source code).

Lycée Jean-Baptiste Say–Paris, France

September 2016 - July 2019

- **Average grade**: 16.80/20 (mention Très Bien) with Advanced mathematics as a specialization

## Work Experience

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OneExpert (Creativ' group) – Caen, France  
*Data Analyst Intern*

July 2022 - September 2022

- OneExpert is an expert company for automotive insurances.
- Use SQL to manage the relational database (40 tables and 80 000 rows for the main one) and extract the relevant data.
- Do EDA (explanatory data analysis) and give insights mainly on the General Activity (volume inflow, volume outflow, stocks), the handling time (usually from the car accident to the end of the reparations), the category of execution (do we need to send someone to evaluate the damages in-person or can the process be done remotely,...) and the costs.
- Find anomalies, create more relevant statistics and suggest ways in which we could improve the database.
- Present my results with dashboards to customers using Tableau and Power BI.

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**Programming Languages**: Python (advanced Numpy, Pandas, matplotlib, sklearn, seaborn); R (advanced); SQL. (proficient)  
**Tools & Technologies**: GitHub (proficient).

**Languages**: fluent English; native French.

## Interests

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I have lived in Tokyo for 7 years during my childhood and therefore developed an interest for the Japanese culture. I am also fond of music and have been in a band for 3 years as a drummer during high school, play guitar on my own and gave several concerts. Finally, I have been playing tennis for more than 15 years and played competitively from 12 years old to 16 years old.