BAPTISTE GORTEAU

DATA ENGINEER / DATA SCIENTIST

📞 +33783478718

◎ Montréal

✉ baptiste.gorteau@gmail.com

🌐 https://bgorteau.github.io/en/home.html

PRESENTATION

With a Master's degree in applied mathematics and statistics, I'm driven by a passion for data analysis and exploring its applications in a variety of fields. My professional experience has also enabled me to acquire solid skills in data analysis, development and machine learning.

EXPERIENCES

United Nations Educational, Scientific and Cultural Organization (UNESCO)

Data consultant • April 2024 - April 2025 • Paris, France (Hybrid)

- *Creation of a pipeline to create a database containing educational aids.*
- *SQL query writing.*
- *Data visualizations using Python and R.*
- *Creation of Excel reports automatically using Python scripts.*
- *Documentation writing.*

Technologies : R | Python | SQL | Matplotlib | Numpy | Pandas | LaTeX | PowerPoint | Excel

Capgemini T.S.

Data engineer - Data scientist • May 2022 - September 2023 • Rennes, France

- *Development of business rules for Big Data using PySpark.*
- *Development of test scripts with Pytest to ensure compliance with business rules.*
- *Participated in the development of an ETL pipeline for Big Data.*
- *Use of a virtual machine.*
- *Programming and launching of tests to ensure that the pipeline was running correctly.*
- *Development of SQL scripts to group and transform different datasets.*
- *Debug Python, R and SQL code.*
- *Writing of project documentation.*
- *Development of an R Shiny application to visualize performance indicators.*
- *Artificial intelligence project to detect anomalies from log files.*

Technologies : Python | PySpark | R | SQL | Hadoop | Bash | Scikit-Learn | Tensorflow | Matplotlib | Pandas | Parquet | Cloudera | Postgre SQL | MobaXterm | Nifi

House of Human Sciences in Brittany (MSHB)

Data scientist • January 2022 - March 2022 • Rennes, France

- *Transformation of survey results into a database usable for analysis.*
- *Textual analysis to better understand translation techniques in the research environment.*
- *Use of graphs.*
- *Data visualization with Python and R.*
- Creation of reports and presentation of results.

Technologies : R | Python | Matplotlib | Numpy | Pandas | NetworkX | NLTK | LaTeX | PowerPoint

Movement, Sport, Health Laboratory (M2S)

Assistant data scientist • April 2021 –July 2021 • Bruz, France

- *Data analysis for a research project combining soccer and virtual reality.*
- *Development of Python scripts to analyze and predict time series.*
- *Data transformation with SQL.*
- *Data visualization.*
- *Creation of reports and presentations with LaTeX.*

Technologies : Python | Matplotlib | SQL | Pandas | Numpy | LaTeX

STUDIES

Master's degree in applied mathematics and statistics

Rennes 2 University • 2021–2023 • Rennes, France

- *Advanced programming in Python, R and SQL.*
- *Large-scale database management with MongoDB.*
- *Training courses on Google Cloud Platform.*
- *Advanced data visualization.*
- *Study of high-dimensional linear and logistic models.*
- *Study of optimization techniques for data science.*
- *Study of artificial intelligence and deep learning techniques.*
- *Time series analysis.*

Bachelor's degree in mathematics and computer science applied to the humanities and social sciences

Rennes 2 University • 2018–2021 • Rennes, France

- *Programming in Python, R and SQL.*
- *Database management.*
- *Sociology.*
- *Microeconomics and macroeconomics.*
- *Algebra.*
- *Data mining techniques.*
- *Geographical information systems.*
- *Realization of a project to obtain real-time data from an API.*

PERSONAL PROJECTS

Big Data Cup 2025

- *Finalist of the 'Big Data Cup' data competition organized by Stathletes.*
- *Computation of hockey player's availability in restricted areas.*
- *Uses of tracking data combined to the Voronoi Diagram.*

Predicting coups d'état in Africa with survival curves

- *Creation of a database with data from the World Bank API.*
- *Analysis of the data with Scikit Survival.*
- *Creation of a model to compare countries from survival curves results.*

SKILLS

- Python
- R
- Curious
- Data visualization
- Machine Learning
- Sociable
- SQL
- Google Cloud Platform
- Worker
- Data engineering
- ETL pipelines
- Problem solving