

BRUNO TABET

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WORK EXPERIENCE

CVS Health

New York

Data Scientist

Full-time, Sept 2025 - Now

- Building a GCP-based system to reduce prior-authorization handling time by automatically surfacing all relevant work instructions. Designed the BigQuery data model, engineered ingestion pipelines, and built Python logic to retrieve PA metadata and match it to domain-specific instructions.

Encore Capital Group - Midland Credit Management

San Diego

Business Analyst / ML Engineer

Full-time, Aug 2024 - Sept 2025

- Developed an XGBoost model to forecast 2025 collections by purchase year, using historical collection data and categorical features for each portfolio (seller, face value). Achieved <1% MAPE on training data for 2024 collections.
- Developed and deployed two XGBoost models with Python and PySpark on Azure to predict weekly digital and garnishment collections (<3% MAPE), leveraging historical trends and marketing activity (mail, email).
- Daily use of SQL on Microsoft SQL Server Management Studio to get relevant data for Investment Risk Management.

BearingPoint

Paris

Management Consultant

Internship, Feb 2023 - Jul 2023

- 3-month mission for a French transit company to pilot the management of a new train line.
- 2-month mission to pilot a French electric utility company's shift towards a new ERP tool across the teams impacted.
- Delivered 5 commercial propositions with Excel, Word, and PowerPoint deliverables.

Veolia

Dubai

Data Scientist

Internship, Jul 2022 - Dec 2022

- Built a Python ML tool with a Streamlit interface to predict mall energy consumption. Processes 80 features from an API and used cross-validation to optimize regression, saving analysts a month of work annually.
- Built a RNN to reduce by 35% HVAC usage in VOX cinemas, using temperature, rooms size and occupancy data.

EDUCATION

University of California, Berkeley

Aug 2023 - May 2024

Master of Engineering in Industrial Engineering and Operations Research

3.94 GPA

- Main courses: Machine Learning, Deep Learning, Statistics, Optimization

University Paris-Saclay (CentraleSupélec)

Sep 2021 - May 2024

Master of Engineering in Data Science

3.98 GPA

- Top 2 worldwide university in Mathematics & Top 12 globally (ShanghaiRanking), Top 2 French Engineering Schools
- Main courses: AI, Machine Learning, Probability, Statistics, Computer Science

University Paris-Saclay (CentraleSupélec) & Janson de Sailly

Sep 2018 - Jul 2021

Bachelor of Engineering

3.93 GPA

- Ranked 132nd (top 1% nationwide) for the admission contest of CentraleSupélec (2020)
- Main courses: Mathematics (Algebra, Analysis), Physics, Computer Science.

PROJECTS

Predicting next impactful scientists using machine learning (UC Berkeley capstone project)

2023-2024

- Developed classification and forecast models to predict inventor breakthroughs based on patents, publications, and citations. Trained on thousands of inventors, achieving 91% accuracy with boosting and a 48-paper MAE.

What recipes can I make with this picture of ingredients?

2021

- Developed a Python web app that analyzes a single photo of multiple ingredients using a VGG CNN to suggest relevant recipes. Identifies 70 ingredients and matches them to a SQL database of 50,000 scraped recipes from Marmiton.

TECHNICAL SKILLS

Languages: English (fluent), French (fluent), Arabic (fluent), Spanish (intermediate)

Programming: Python, SQL, Java, JavaScript, Node.js, React Native, HTML, CSS, Spark, Matlab, Simulink, Power Query

Tools: A/B Testing, Git, TensorFlow, PyTorch, Hugging Face, LLMs, Keras, Scikit-learn, Statsmodels, PySpark, Gurobi, Numpy, Pandas, Plotly, Streamlit, NLP, NLTK, Neural Networks, LSTM, GRU, ARIMA, SVM, Docker

EXTRA-CURRICULAR ACTIVITIES

Led teams to reconstruct destroyed buildings while volunteering for two summers for OffreJoie in Lebanon

2021 - 2022

Helped organize the first edition of the TEDx CentraleSupélec with the Genius CentraleSupélec student club

2021 - 2022

Provided weekly private lessons in mathematics and physics to a dozen students in middle and high school

2021 - 2022

Captain of a football team at Janson de Sailly for two years

2021 - 2022

Piano at the Claude Debussy Conservatory of Paris. Still playing regularly

Since 2007