Brice **PETIT**

DATA SCIENTIST
MACHINE LEARNING ENGINEER

CONTACT

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TECHNICAL SKILLS

- Languages : Python, SQL, Bash, C++, Java, R, Fortran
- Machine Learning / Data : Pytorch, Tensorflow, Scikit-learn, Pandas, Numpy, Keras
- Data Engineering / Production : Cassandra, MySQL, Docker, Git, Ansible, Systemd
- Domains: Machine Learning, Deep Learning, Optimization, NILM, Energy Forecasting

SOFT SKILLS

- Communication
- Teamwork
- Analytical mindset
- Adaptability
- Comfort working in production
- Research & Development
- Ability to work under uncertainty

LANGUAGES

- French – Native
- English – C1
- Dutch – B1

INTERESTS

- Volleyball & Caving
- Scouting
- Beer culture

PROFILE

Seeking a Data Scientist or Machine Learning Engineer position, I specialize in predictive modeling and optimization, with experience in applied AI and production environments. I work across the full model lifecycle, from data to the deployment of production-ready models.

EXPERIENCES

Research Engineer in Artificial Intelligence   2022 – present

Institut de Recherches Interdisciplinaires et de Développements en Intelligence Artificielle (IRIDIA), Université Libre de Bruxelles

- Electricity consumption and production forecasting (AI) for AIEG.
  Python | Numpy, Pandas, Plotly, PyTorch, Scikit, Tensorflow | MySQL | Git ◈
- Energy disaggregation (AI) for Innoviris (COOMEP).
  Python | Multiprocessing, Numpy, Pandas, Plotly, PyTorch, Scikit, Tensorflow | Git ◈
- Electricity data collection for Innoviris (Voisins d'Énergie & COOMEP).
  Python | Multiprocessing, Numpy, Pandas , Thread | Cassandra | Ansible, Git, Systemd ◈ ◈
- Supervision of students (individual and group projects).

Property Manager   2023 – present

ACP JO57, Bruxelles

Volunteer coordinator for the Youth Movement   2022 – 2025

Service Diocésain des Jeunes, Lille

Student job - 2 days by week   2017 – 2022

McDonald's Brussels – Bourse & Moeder Lambic Original

EDUCATION

Master's degree in Computer Science   2020 – 2022

Université Libre de Bruxelles | Specialization in AI and Embedded Systems

- Master's thesis: OO/UML re-engineering of a Fortran-based climate simulator.
  Bash, C++, Fortran, Python | Numpy | UML | Git ◈

Bachelor's degree in Computer Science   2016 – 2020

Université Libre de Bruxelles

- Waste sorting by image classification (AI).
  Python | Keras, Matplotlib, Numpy, Pandas, PyQT, PyTorch, Scikit | Git ◈