Maxence DEBES

🌐 Portfolio | in LinkedIn | ○ GitHub | ✉ maxence.debes@polytechnique.edu

MSc data science student with a strong background in mathematics and computer science. Experienced in machine learning, software development, and digital transformation projects.
Looking for a 6-month end-of-studies internship in AI/machine learning for spring–summer 2026.

Work Experience

IT Intern — Batigere Maison Familiale   Jul 2025 — Aug 2025

– Optimized digital infrastructure by migrating the company to SharePoint, enhancing collaboration and document management, with adoption by 100% of employees.
– Designed and implemented a GDPR compliance policy, reinforcing data security and ensuring regulatory compliance.

Java Programmer Intern — Atos   Jul 2024 — Aug 2024

– Designed and implemented a telework tracking application using the JHipster application generator, facilitating accessibility to workstations.
– Authored the internship report as an interactive interface developed with the JavaFX framework, enhancing readability.

Projects

Data Privacy & Anonymization — Project Cassiopee   ○

– Assessed privacy risks in anonymized datasets through OSINT and re-identification case studies, and proposed anonymization strategies.
– Conducted at Telecom SudParis with Maryline LAURENT and Louis-Philippe SONDECK.

Automated Parking Optimization   ○

– Modeled vehicle placement optimization in Python for multi-level automated parking systems.
– Designed and benchmarked heuristic algorithms (A* search, simulated annealing) to minimize retrieval costs.

Education

Ecole Polytechnique — Polytechnic Institute of Paris   2025 — present
MSc data science
Relevant coursework: *Advanced AI for Text and Graphs (ALTEGRAD/MVA), Deep Learning, Machine Learning, Reinforcement Learning, Representation Learning, Optimization for Data Science, Generative Models.*

Telecom SudParis — Polytechnic Institute of Paris   2023 — present
Master's degree in mathematics and computer science
Relevant coursework: *Real Analysis and Integration, Statistics and Data Analysis, Optimization, Scientific Computing, Machine Learning and Data Mining, Applied Statistics, Stochastic Processes, Continuous Optimization for Learning.*

Skills & interests

Programming languages	Python, Java, SQL, Bash, HTML/CSS
Frameworks & libraries	PyTorch, scikit-learn, NumPy, pandas, Matplotlib
Tools	Git, Linux, LaTeX, MS Office
Languages	French (native), English (C1), German (A2)
Soft skills	Leadership (former president of student association), fast learner, adaptability
Interests	AI, data science, machine learning, web development, handball, music