

Maxence Debes

 Portfolio |  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