

# 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, in order to enhance 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 to facilitate accessibility to workstations.
- Authored the internship report as an interactive interface developed with the JavaFX framework.

## 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 under the supervision of 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