

# Maxence DEBES

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MSc Data Science student with a strong background in mathematics and computer science. Experienced in machine learning, software development, and digital transformation projects.  
Seeking a 6-month end-of-studies internship in AI/ML 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.
- Designed and implemented a GDPR compliance policy, reinforcing data security.

### Java Programmer Intern — Atos

Jul 2024 – Aug 2024

- Designed and implemented a telework tracking application using the JHipster application generator.
- Authored the internship report as an interactive interface developed with the JavaFX framework.

## Projects

### Data Privacy & Anonymization — Project Cassiopée

 Website

- Evaluated privacy vulnerabilities in anonymized datasets by applying OSINT methodologies and conducting re-identification case studies, providing actionable risk assessments.
- Applied risk evaluation tools to propose data protection and anonymization strategies.

### Automated Parking Optimization

 Website

- 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

### École 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.*

### Télécom SudParis — Polytechnic Institute of Paris

2023 — present

Master's 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

<b>Programming</b>	Python, Java, SQL, Bash, HTML/CSS
<b>Frameworks</b>	Pytorch, scikit-learn, NumPy, Pandas, Matplotlib
<b>Tools</b>	Git, Linux, LaTeX, MS Office
<b>Soft skills</b>	Leadership (President of student association), fast learner, adaptability
<b>Interests</b>	AI, ML, Web Development, Handball, Music
<b>Languages</b>	French (native), English (C1), German (A2)