



Age: 22

Contact

https://rambip.github.io  
rambip/  
antonin-peronnet-a5496a242  
+33 6 73 74 11 08  
antonin.peronnet@telecom-paris.fr

Skills

- Programming Languages:  
Rust (tooling & macros),  
Python, C,  
HTML, JS, CSS
- Machine Learning:  
scikit-learn, spaCy, nltk,  
PyTorch
- AI tools: ollama, langchain,  
MCP
- Visualisation Libraries:  
Pandas, Vega Altair, Plotly
- Tools:  
SSH, Git, Linux, Docker, Typst,  
LaTeX

Languages

- French - Native
- English - Advanced (C1)
- German - Intermediate (B1)

Interests

- information theory
- open source software
- complex data visualization
- writing poems
- improvisational theater
- juggling

Education

- 2023 Institut Polytechnique de Paris - Télécom Paris.  
→ M.Sc. (Computer Science)  
2025 Top 5 France’s best engineering school, specialized in digital and AI, with majors:  
1. Machine learning. Information theory, Deep learning (torch), NLP (sk-learn), image analysis, graph learning (GNN).  
2. Human-Computer Interaction. Data visualization (vega, D3), web technologies (HTML, JS, CSS), 3d rendering and simulations (C++).
- 2021 Lycée Descartes, Tours  
→ B.Sc. (Engineering) — Preparatory Classes for Engineering Schools (MPI)  
2023 Computer Science: Machine Learning, Algorithm Design Patterns (OCaml & C, SQL), Formal Logic, Computability  
Maths: Algebra, Calculus & Analysis, Probability & Statistics  
50th place at Nation-wide contest (“Concours des Mines”)

Projects

- 05/2025 Sketch vectorization.  
→ Implemented a SOTA paper for sketch to SVG conversion (team work).  
06/2025 Used a custom CNN ResNet to rasterize the image, 2D curve fitting and Metropolis-Hasting optimization algorithm.
- 09/2024 Modeling the graph of French Law  
→ One-year research project, supervised by Nils Holzenberger. Created a new  
06/2025 unsupervised method for entity recognition in legal documents, using recursive syntactical trees. Conceived a new benchmark for this task.
- 01/2025 Procedural geometry generation of plants  
→ Engineered an efficient 3D plant mesh generation pipeline (Bevy lib,  
02/2025 Rust). Used particle-based collision detection and spline interpolation for nodes + Delaunay triangulation.
- 02/2024 Temporal graph exploration project  
→ Designed interactive tools to analyze evolving networks in Python (Dash)  
06/2024 Implementation of filtering and layout algorithms in Rust, enabling a +300 students dataset to load instantaneously.

Professional and associative experience

- 09/2024 President of P.I.A.F  
→ Association Pour une Intelligence Artificielle Fiable.  
present Founded and led a weekly AI safety reading group.  
Coordinated 15 meetings exploring watermarking, unlearning, explainability, scalable oversight and more.
- 10/2024 Series of conferences: ASIMOV.  
→ Vice-president of student association Teletalks.  
present Organized 4 conferences on digital risks with AI research, regulation and ethics experts. Designed promotional materials (Inkscape, Canva), logos and built interactive website (Flask).
- 06/2024 Human formation internship  
→ One-month German farm internship at Biolandhof Hillesheimer  
07/2024 Participated in horse-powered harvesting, managed stable maintenance, and organized garden operations.