Anne Gagneux

21 · 07 · 1998 | LYON, FRANCE

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EDUCATION

- 2022-2023 | **ENS Paris-Saclay**, MSc in Machine Learning (MVA)

    Optimization, inverse problems, computational statistics, optimal transport, generative modeling, kernels methods.
- 2019-2023 | **École des Ponts ParisTech**, Major in Applied Mathematics and Computer Science

EXPERIENCE

- June 2024-September 2024 | BERLIN, GERMANY | **Research internship, supervised by Pr. Gabriele Steidl at TU Berlin.**

    — Ségolène Martin*, Anne Gagneux*, Paul Hagemann*, Gabriele Steidl. PnP-Flow : Plug-and-Play Image Restoration with Flow Matching, ICLR 2025. Code repo. [1]

- October 2023-Now | LYON | **PhD, supervised by Rémi Gribonval (INRIA Lyon), Mathurin Massias (INRIA Lyon) and Emmanuel Soubies (IRIT, CNRS) :** *"Properties of proximal operators-learning neural networks"*

    — Anne Gagneux, Mathurin Massias, Emmanuel Soubies, Rémi Gribonval. Convexity in ReLU Neural Networks : beyond ICNNs ?, submitted.

- April 2023-September 2023 | LYON | **Research internship in nonconvex optimization supervised by Mathurin Massias and Emmanuel Soubies :** *"Improving sparse penalties with non convexity and coefficient clustering"*

- Mars 2022-Juillet 2022 | PARIS | **Public policy internship with Renaud Vedel, Coordinator of the National Strategy for Artificial Intelligence**.

- June 2021-December 2021 | PARIS | **Applied research internship in computer vision at Sitowie.** Automatic generation of 3D models from aerial photographs and facades.

SKILLS

- **Languages** : English, French.
- **Coding** : Python (PyTorch, Tensorflow, Jax), C++, R, Git.

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1. * denotes equal contribution