



📅 25 years old
📍 France
🏠 Antibes
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Languages

French

Native

English

B2 - Advanced / Full professional proficiency

German

B1 - Intermediate

Computer skills

Programming languages

Python (*NumPy, Pandas, scikit-learn, PyTorch, Transformers*), R, C, C++, Java, Haskell, Unix programming

Certifications

SAS, Matlab, Excel

Microsoft Office

Word, Excel, PowerPoint

Personal skills

- Motivation, Autonomy
- Intellectual Rigour, Critical Thinking
- Communication, Team Work Skills

LinkedIn page

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Raphaël RAZAFINDRALAMBO

PhD Student in Centre Inria d'Université Côte d'Azur

Graduated from the MVA Master's program at Paris-Saclay, I'm pursuing a PhD in deep learning and generative models, building on the work I conducted during my internship on diffusion models and ensemble methods.

Experience

PhD Researcher

Since Feb. 2025 [Centre Inria d'Université Côte d'Azur](#) Valbonne, Sophia-Antipolis
Funded by 3IA.

- **When Are Two Scores Better Than One? Investigating Ensembles of Diffusion Models**, published with video at *Transactions on Machine Learning Research (TMLR)*, 2026. Oral presentation at *56es Journées de Statistique (SFdS)*, Marseille, and poster at *Working Group on Model-Based Clustering*, Nice, 2025.
- **Beyond Mixtures and Products for Ensemble Aggregation: A Likelihood Perspective on Generalized Means**, published at *Uncertainty in Artificial Intelligence (UAI)*, 2026.
- **Towards More General Control of Diffusion Models Using Jeffrey Guidance**, Preprint.

Research Intern & Engineer

From May 2024 to Jan. 2025 [Centre Inria d'Université Côte d'Azur](#) Valbonne, Sophia-Antipolis

- Joined the Maasai research team at Inria, working under the supervision of Pierre-Alexandre Mattei, Damien Garreau, and Remy Sun.
- Conducted research on ensemble methods applied to deep generative diffusion models, combining state-of-the-art analysis with practical implementations and theoretical insights.
- Implemented models using Python and PyTorch, leveraging Inria's high-performance and parallel computing resources for large-scale model training.

Data Scientist Intern

From Jun. 2023 to Sept. 2023 [Malakoff Humanis](#) Paris

- Analysis of the problem context, including a detailed state-of-the-art review in optical fraud detection.
- Exploration of datasets, Data processing with Dataiku and Python Pandas library.
- Development of prototypes (machine learning for classification task) with scikit-learn and performance evaluation through team efforts.
- Analyzed, visualized, and presented results with PowerBI.

Education

PhD Student in Computer Science

Since Feb. 2025 [Université Côte d'Azur](#) Nice

Research in diffusion models for image generation. Supervised by Pierre-Alexandre Mattei, Frédéric Precioso, and Rémy Sun.

M.Sc., Applied Mathematics (2nd year)

From Sept. 2023 to Sept. 2024 [ENS Paris-Saclay](#) Gif-sur-Yvette

Mathématiques, Vision, Apprentissage (MVA)

Research projects:

- Pseudoinverse-guided diffusion models for inverse problems
- Hit-and-Run Algorithms for Generating Multivariate Distributions
- Molecule Retrieval with Natural Language Queries
- Deep Learning for Lost Packets Completion in a Voice Signal
- Change-Point Detection Using Spatiotemporal Data
- K-means on PCA

Relevant courses: *Generative Models for Image, Computational Statistics, Deep Learning and Practice, Convex optimization, Introduction to Probabilistic graphical models and deep generative models*

M.Sc., Applied Mathematics (1st year)

From Sept. 2022 to May 2023 [Université Paris Dauphine - PSL](#) Paris

- Master Thesis: Study of statistical and computational guarantees of K-Means