

Armand Blin

Master's in Artificial Intelligence – Seeking Final Research Internship in Deep Learning
Focus: Visual Understanding, NLP or Foundation Models | Available April 2026

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🎓 Education

MVA (Mathematics, Vision, Learning) – École Normale Supérieure (ENS)

2nd-year Master's in Mathematics, Machine Learning and Deep Learning

Sept 2025 – April 2026

Paris, France

- > Coursework: Computer Vision, Deep Learning, Neural Network Architectures, Convex Optimization, ML for Time Series

EPITA – SCIA Track (AI & Big Data)

1st-year Master's in Machine Learning and Data Science

Sept 2021 – April 2026

Paris, France

- > GPA: 4.0
- > Semester in the SRE Team (*La Forge*) focusing on DevOps, K8s, Networking and Terraform
- > Coursework: Convex Optimization, Advanced Mathematics for ML, Probability and Statistics, ML Fundamentals, NLP

Imperial College – Mathematics for Machine Learning (Online – Coursera)

July 2025 – Sept 2025

🔧 Main Experience

Machina Capital – Software Engineer Intern

Quantitative investment firm managing over \$1B in AUM.

Sept 2024 – Jan 2025

On-Site

- > Engineered Python libraries and migrated tools to Airflow to streamline data workflows
- > Conducted a Big Data research to optimize the trading automation infrastructure
- > Tech stack: Python (pandas), AWS, CI/CD

ThetysLab – Lead Software Engineer

Mobile app studio, leveraging data-driven design and scalable architectures.

March 2024 – April 2025

Freelance – Hybrid

- > Designed and implemented scalable backend architectures for mobile apps with 700K+ monthly active users
- > Led full-stack and cloud architecture development across AWS and GCP
- > Tech stack: TypeScript, SQL, NoSQL, Redis, Kafka, CI/CD

Peewix – Solo entrepreneurial venture

- > Developed a platform enabling individuals and businesses to easily organize and share events

🏆 Hackathons

Finalist – Google Healthcare Hackathon 2025

[project](#) [🔗](#)

- > Built an AI medical assistant using MedGemma, Google Chirp, and avatars for pre-diagnosis and urgency detection

People's Choice Award – Mistral AI MCP Hackathon 2025

[project](#) [🔗](#)

- > Developed a DevOps co-pilot to reduce the complexity of infrastructure management on Mistral's LeChat

🎓 Main Research Projects

Multimodal AI Assistant – Lightweight Jarvis

- > Developing a local modular AI assistant combining speech, vision, and automation tools
- > Current research focuses on integrating a hand-tracking model to enable human-AI interaction through gestures

NLP – Business Reviews

- > Implemented ML models to classify and generate customer reviews, improving sentiment analysis
- > Evaluated and compared performance metrics across models: RNN, Feedforward Neural Networks, Transformers, Logistic Regression, and Naive Bayes

🔧 Technologies

AI/ML Python, PyTorch, Pandas, Scikit-learn

DevOps/Cloud Docker, AWS, GCP, CI/CD

Tools/Others C, SQL, Kafka, Git, Unix, TypeScript

👤 Interests

AI Computer Vision for Visual Understanding, Optimization for Large-Scale Models, Efficient Deep Learning, GenAI

Sports Running (Most recently: Paris Marathon and Alps Trail), Tennis, Cycling