

Tanguy DUCROCQ

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GitHub: [tanguydcq](#) | LinkedIn: [in/tanguy-ducrocq](#) | Portfolio: [tanguydcq.github.io](#)

Data & AI Engineer (Final Year) — EPITA

Professional Summary

AI engineer focusing on quantitative modelling, financial machine learning, and large-scale data analysis. Hands-on experience building predictive models, risk-oriented simulations, and automated intelligence systems. Currently expanding expertise in asset modelling, time-series forecasting, and ML-driven decision tools for investment and risk teams.

Work Experience

Business Developer	JECT Lyon	Since Sep 2025
	• Identify corporate needs, draft comprehensive commercial proposals, and manage end-to-end IT project follow-up between clients and technical stakeholders.	
AI & NLP Intern	DiliTrust, La Défense	Sep 2024 – Jan 2025
	• Designed an LLM-based contract classifier using multi-step prompting, significantly increasing generalization to unseen document types and improving data processing efficiency. • Developed a Python intelligent agent for automated documentation generation, integrating the ChatGPT API and Slack for streamlined data scraping and internal access.	
Co-creator	Sterenova, Paris	Since Apr 2023
	• Founded and managed an event planning and equipment rental business, overseeing all aspects of business development, operations, and client management.	

Selected Technical Projects

Asset Modeling and Black-Scholes Simulation	(Personal Finance Project, 2025)
• Application of the Black-Scholes Model to Real Market Data • Built Monte Carlo simulations for price trajectories and evaluated hedging strategies.	
Stock Market Forecasting with Differential Graph Transformer	(Research Project In Progress)
• Developing a graph-based Transformer for multivariate financial time-series forecasting. • Modelling dynamic correlations between assets using evolving graph structures.	
ASES Stanford x HEC Hackathon — Dealflow Intelligence for Investors	
• Designed an automated radar of attractive M&A targets with real-time pre-valuation. • Generated written explanations of target relevance using ML-driven scoring and data extraction.	
Computer Vision for Sports Analysis	(Academic Project, 8 months)
• Developed a computer vision pipeline detecting players and key actions from match footage. • Generated automated match statistics tailored for amateur clubs.	

Education

MSc, Artificial Intelligence (Engineering Program)	EPITA, Paris	2023 – 2026
• Major: Data Science, Artificial Intelligence, and Graphs (SCIA-G). • Coursework: Probability, Stochastic Processes, Optimization, ML, Graph Algorithms		

Preparatory Cycle	Sainte Marie, Antony	2021 – 2023
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Skills & Interests

Technical: Python (NumPy, Pandas, Scikit-learn, PyTorch), SQL |AI/ML (Machine Learning, Deep Learning, NLP, Computer Vision) |MLOps (Docker, Kubernetes, Git, CI/CD)

Languages: French (Native) |English (Professional, TOEIC: 865/990)

Interests: Competitive Tennis, Guitar & Piano