

DANIIL HIRCHYTS

Big Data & ML Engineering Student
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PROFILE

Big Data & ML Engineering student who turns data challenges into automated, production-ready solutions. Thrives at the intersection of technical depth and strategic business impact and collaborates closely with cross-functional, international teams to deliver systems that scale.
Objective: Seeking a 24-month apprenticeship in Data Science starting September 2026. Work-study schedule: three days at the company / two days at school.

EDUCATION

EFREI Paris – École d'ingénieurs du numérique, Panthéon-Assas Université Engineering degree in Big Data and Machine Learning	2025 – 2028
IAE Montpellier Bachelor's degree in Science and Technology Management	2024 – 2025
IUT Montpellier Bachelor's degree in Computer Science and Technology	2022 – 2025

EXPERIENCE

Forvia Data Scientist, Finance – Apprenticeship <ul style="list-style-type: none">Built a full machine learning pipeline in Palantir Foundry to forecast monthly FX exposure for treasury planning with an 18-month horizonAutomated data ingestion, feature engineering, and scheduled refresh workflows, reducing recurring treasury analysis workApplied OCR and LLM-based purchase order processing to classify documents and extract key fields into structured datasetsDelivered KPI dashboards and alerts for treasury and procurement, enabling faster reporting and earlier anomaly detection	Sep 2025 – Present Paris, France
Sanofi Data & Process Optimization Specialist – Apprenticeship <ul style="list-style-type: none">Developed a Python-based predictive solution for clinical supply chain, cutting crisis-analysis lead time from two weeks to near-real-timeBuilt Power BI dashboards and a shared KPI model for multiple stakeholders, reducing manual consolidation by about six hours per weekSystematized data ETL workflows using Microsoft Fabric, reducing manual Excel handling and improving data reliabilityProduced predictive analyses and recommendations to support clinical supply planning in an agile setup	Sep 2024 – Aug 2025 Montpellier, France
KOKODI Games Full-Stack Engineer – Contract <ul style="list-style-type: none">Built and launched a Telegram Mini App gaming platform end-to-end using Next.js and Node.js, from architecture to production releaseDesigned the data layer, caching, and infrastructure to handle more than 10,000 concurrent users, validated through load testingSet up containerized deployments with CI/CD and load balancing, reducing hosting costs by 60% compared with an equivalent AWS setup	Jun 2024 – Feb 2025 Remote
Freelance Activity Full-Stack Developer <ul style="list-style-type: none">Delivered full-stack web applications across the full lifecycle, from requirements to deployment, for multiple clientsImplemented speech recognition and NLP features and optimized SQL databases to improve performance and reliability	Oct 2022 – Jun 2024 Remote

SKILLS

Data and AI: Python, PySpark, PyTorch, LangChain; time-series forecasting, NLP; MLOps fundamentals; web scraping with Selenium
Data engineering and analytics: Palantir Foundry, Snowflake, Azure Data Factory; SQL; Power BI, Tableau
Automation and process: Microsoft Power Platform, SAP, Celonis
Software and DevOps: TypeScript, Next.js, React, Node.js; Docker, CI/CD, AWS, Kubernetes, MongoDB
Languages: English (full professional proficiency), French (bilingual), Russian (native)

CERTIFICATIONS & ACTIVITIES

Certifications: Yale University Financial Markets; TOEIC C1; McKinsey.org Forward Program; IBM AI Engineering Professional Certificate; IBM AI Foundations for Business Specialization; MOOC CNIL RGPD
Activities: Independent Apple app developer (Apple Developer Program member), building a cross-platform iOS/macOS product; hockey player on the Hock'Efrei team (EFREI Paris)

