

# 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

2025 – 2028

Engineering degree in Big Data and Machine Learning

### IAE Montpellier

2024 – 2025

Bachelor's degree in Science and Technology Management

### IUT Montpellier

2022 – 2025

Bachelor's degree in Computer Science and Technology

## EXPERIENCE

### Forvia

Sep 2025 – Present

#### Data Scientist, Finance – Apprenticeship

Paris, France

- Built a full machine learning pipeline in Palantir Foundry to forecast monthly FX exposure for treasury planning with an 18-month horizon
- Automated data ingestion, feature engineering, and scheduled refresh workflows, reducing recurring treasury analysis work
- Applied OCR and LLM-based purchase order processing to classify documents and extract key fields into structured datasets
- Delivered KPI dashboards and alerts for treasury and procurement, enabling faster reporting and earlier anomaly detection

### Sanofi

Sep 2024 – Aug 2025

#### Data & Process Optimization Specialist – Apprenticeship

Montpellier, France

- Developed a Python-based predictive solution for clinical supply chain, cutting crisis-analysis lead time from two weeks to near-real-time
- Built Power BI dashboards and a shared KPI model for multiple stakeholders, reducing manual consolidation by about six hours per week
- Systematized data ETL workflows using Microsoft Fabric, reducing manual Excel handling and improving data reliability
- Produced predictive analyses and recommendations to support clinical supply planning in an agile setup

### KOKODI Games

Jun 2024 – Feb 2025

#### Full-Stack Engineer – Contract

Remote

- Built and launched a Telegram Mini App gaming platform end-to-end using Next.js and Node.js, from architecture to production release
- Designed the data layer, caching, and infrastructure to handle more than 10,000 concurrent users, validated through load testing
- Set up containerized deployments with CI/CD and load balancing, reducing hosting costs by 60% compared with an equivalent AWS setup

### Freelance Activity

Oct 2022 – Jun 2024

#### Full-Stack Developer

Remote

- Delivered full-stack web applications across the full lifecycle, from requirements to deployment, for multiple clients
- Implemented speech recognition and NLP features and optimized SQL databases to improve performance and reliability

## 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'Efren team (EFREI Paris)

