

RICK GAO

Final-year Engineering Student in Artificial Intelligence and Data at EPITA

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Specializing in Machine Learning and Data. Currently seeking a **Full-Time Data Engineer** position starting **September 2026**.

EDUCATION

EPITA	Paris, France
Master's in Computer Science Engineering, specializing in Machine Learning and Data	2023 – 2026
National Chung Cheng University	Chiayi, Taiwan
Exchange Program in Computer Science, specializing in Machine Learning and Computer Vision	09/2025 – 01/2026
Sorbonne University - UPMC	Paris, France
Bachelor's coursework in Computer Science, specializing in Data Science and Software Development	2021 – 2023

SKILLS

Software Engineering	Python, C, C++, Java, JavaScript, Scala, HTML, CSS, SQL
Machine Learning	TensorFlow, Keras, PyTorch, Scikit-learn, Pandas, NumPy, OpenCV
Big Data	Kafka, Airflow, Power BI, Spark, HDFS, Sqoop
Others	Docker, Git, LaTeX

EXPERIENCE

Banque de France	Paris, France
Data Engineer Intern	02/2026 – 08/2026
- Optimized detection processes for Anti-Money Laundering and fraud prevention. - Improved instant payment processing workflows within the bank's core systems. - Stack: Hive, Hadoop, HDFS, Spark, Java, Sqoop.	
Napta	Paris, France
Data Engineer Intern	09/2024 – 02/2025
- Developed and automated ETL pipelines for client data integration using Airflow and AWS S3. - Engineered API connectors for CRM/ERP systems and enhanced internal monitoring tools. - Stack: Python, Airflow, AWS, Agile methodology.	
Mercedes-Benz & smart - Como Stains	Stains, France
Data Analyst Intern	05/2023 – 08/2023
- Developed Power BI dashboards and automated reporting processes with Python. - Built OCR-based Python scripts to automate data entry and updates in the company's ERP system. - Introduced Power Automate and developed workflows to streamline data processes and improve team efficiency.	

PROJECTS & ACADEMIC WORK

IoT Vending Machine System	06/2025 – 07/2025
- Architected a distributed pipeline (5 microservices) for real-time vending machine monitoring. - Implemented real-time alert processing and KPI analysis using Spark, Scala, Kafka, and Docker.	
Movie Script Classification and Generation - NLP	02/2025 – 05/2025
- Built NLP pipelines for multi-label classification and script generation on 37k movie scripts. - Applied Naive Bayes, FFNN, RNN, fine-tuned GPT-2 for classification and text generation.	
Kuaishou Video Recommender System	04/2025 – 05/2025
- Built recommender system on 12M user-video interactions using collaborative filtering (SVD). - Performed evaluation with ranking (Precision@K, NDCG@K) and diversity metrics.	
Ship Image Classification	04/2025 – 05/2025
- Trained CNN models (TensorFlow/Keras) for ship type classification with GPU acceleration. - Applied image preprocessing and data augmentation techniques to improve model performance.	