CORENTIN DUCLOUX

Tours, France

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CDucloux

Corentin Ducloux

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https://corentinducloux.fr

SKILL SET

- **Data Visualisation**: Python (plotly) - PowerBI - R (ggplot2)
- **Data Manipulation**: SQL - Python (polars, pandas, duckdb)
- **Machine Learning**: Sklearn - Tidymodels
- **Data Apps Frameworks**: Streamlit - Shiny
- **Devops**: Git - Github Actions - Docker
- **Reporting**: Quarto - Rmarkdown - LaTeX
- **Cloud Data Platforms**: Snowflake - AWS
- **Web Development**: HTML - CSS

Graduated with a master's degree in Business Economics, I am seeking a position as a **Data Engineer** starting from September 2024. With several internships completed within Data/Analytics teams in the industry, I have accumulated close to a year of hands-on experience in the field. Feel free to check out my website (*corentinducloux.fr*) !

WORK EXPERIENCE

April 2024 ↪ Sep. 2024

EDF: Data Engineer (Internship) — Tours

- Migration of a dataviz app from R to Python, with a CI/CD pipeline and various added features.
- Development of a Shiny app generating automated reports and analyses on the impacts related to the loss of control cabinets for the Hinkley Point C EPR.
- Creation of data pipelines using duckdb + dbt, pydantic for data validation, and airflow for orchestration.

April 2023 ↪ Aug. 2023

Safran Seats: Data Analyst & BI Developer (Internship) — Issoudun

- Production ready Python solution ensuring cross-tool data quality and consistency.
- Tables, views and stored procedures migration from SQL Server to Snowflake as part of the *Legacy* decommission (Operational Data Store).
- Lead time analysis and manufacturing order tracking dashboard on PowerBI.
- Deployed 4+ functional and optimized dashboards on the company PowerBI Report Server.

June 2022 ↪ Aug. 2022

Crédit Agricole Titres: Back Office Analyst — Mer

- Dashboard to manage banking mobility activity using PowerQuery & PowerBI.
- Development of a prioritization system for processing shared email inboxes using VBA.
- Automation of multi-file Word exports to PDF.

EDUCATION

2022 — 2024

Business economics master's degree: Data & Business Intelligence — University of Tours

- *Project*: Wine prices estimation app using Streamlit and Docker → wine-scraping
- *Project*: Econometric analysis of smartphone pricing efficiency → smart-specs

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| Big Data | RDBMS | Software Engineering with Python | Microeconometrics | Machine Learning
| Data Mining | Exploratory Data Analysis | Web scraping | APIs | Pricing |
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2018 — 2022

Business economics bachelor's degree — University of Tours

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| Econometrics | Statistics | Probabilities | R | Microeconomics | Excel | VBA |
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LANGUAGES

French – (Native)
English – (C1)
↪ **TOEIC® :** 920/990

DATACAMP CERTIFICATIONS

Intermediate SQL & Data Manipulation in SQL
Data Modeling in PowerBI, DAX Functions

INTERESTS

Mathematics and computer science courses
Practice of synth and electric bass
Swimming