CORENTIN DUCLOUX

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Graduated with a master's degree in Data and Business Intelligence, I am seeking a position as a **Data Engineer/Data Analyst** starting from October 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 *cducloux.quarto.pub* !

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 Warehousing**: Snowflake
- 🌐 **Web Development**: HTML - CSS

WORK EXPERIENCE

April 2024 ↪ Sep. 2024

EDF: Data Engineer (Internship)   📍 **Tours**

- Refactoring of a dataviz app from R to Python, with a GitLab CI/CD pipeline and various added features.
- Development of a Shiny app generating automated reports related to the loss of control cabinets for the Hinkley Point C EPR. The tool saved about 4400 hours of work and 330k€.
- Creation of data pipelines using duckdb + polars, pydantic for data validation.

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 new Data Warehousing infrastructure.
- 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: Data 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

Data & Business Intelligence master's degree   📍 **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 |
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2018 — 2022

Business economics bachelor's degree   📍 **University of Tours**

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

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

INTERESTS

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

SOFT SKILLS

Interpersonal Skills
Stress Management
Popularization of technical subejcts

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