Louis de Charsonville

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Core skills

Expertise in digital and analytics transformation project management and supply chain and manufacturing operational excellence. Strong technical background in machine learning and optimization. Proven experience across technology, healthcare, and industrial sectors. Strong analytical and strategic thinking.

Work Experience

Data Science Manager
Since 2020

QuantumBlack (AI by McKinsey), Paris
Led dynamic cross-functional teams in defining digital strategy and implementing state-of-the-art analytics solutions across diverse industries. Selected examples:
- Created and led development of an analytics engine to optimize batch process manufacturing and deployed it at 5 PharmaCos, delivering 10-30% in capacity increase
- Optimized allocation of salesforce resources for a PharmaCo leveraging advanced analytics
- Improved efficiency of hydro turbine design by developing a deep learning model
- Optimized the asset footprint of an energy player and identified the strategic choices for the next decade

Data Scientist
2018 - 2020

European Central Bank, Financial Statistics, Frankfurt-am-Main
Designed and developed machine learning algorithm for outlier detection in financial derivatives data (EMIR). Prototyped and developed customized data-flows for macroprudential policy and monetary policy. Monitored daily production of market data statistics & computed the yield curves for the Euro Area.

Economist
2015 - 2018

Banque de France, Macroeconomic Forecasting and Research Division, Paris
Monitored economic outlook in the Euro Area (2017-2018). Forecasted inflation for France (2015-2017). Built a new forecasting model for inflation (published as a working paper). Elaborated policy briefing for top-management. Developed a web-application used in daily production to download economic data and toolbox for Bayesian VAR.

Lecturer
2015 - 2018

Sciences Po, Paris School of International Affairs, Paris
Lecturer in Quantitative Tools (2015 - 2017) and Statistical Reasoning (2017 - 2018). Both are statistics classes for master students.

Traineeships
2011 - 2014

Traineeships in the **French Embassy** in Washington D.C. (2014), CEO office on **ING Commercial Banking** (2012) and Statistics Directorate of **OECD** (2011)

Education

2015-2016
non-degree

Paris School of Economics, Analysis and Policy in Economics
Attended courses: Macroeconomics & Empirical Political Economy. Research assistant to Prof. Ekaterina Zhuravskaya on migrations and human capital

2011-2014

Sciences Po Paris, MSc + Postgraduate Program in **Public Policy**
Major: Public Law and Economics

2010-2013
cum laude

ENSAE ParisTech, MSc in **Economics and Statistics**
Major: Market Analysis and Corporate Finance
Analysis of factors of poverty in Western Africa

Languages

French (native), English (fluent), Spanish (notions) and Russian (notions)

Computer Skills

Most of my programming is done in **Python**, sometimes using **Spark**. I've also developed web-apps in **Javascript** both in the back-end (**Node.js**) and front-end (ex: **React**, **Vue**) and used statistical languages such as **EViews**, **R** and **Matlab**.

Extracurricular Activities

Developer: I love coding toy-apps on my spare time such as a Secret Santa app or a dashboard to track COVID-19 cases
Sports: Bike, tennis and soccer player. Summer sailor.