

LÉO VUYLSTEKER

Data Scientist

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📍 Lille, France



EXPERIENCE

Football Data Scientist

Delomid IT

📅 November 2023 – Ongoing 📍 Brussels, Belgium

- Managing a data-driven scouting project.
- Designed a player profile identification model on Wyscout data.
- Implementing CI/CD pipelines in Azure Devops.

Data Science & Engineering Consultant

MP Data

📅 November 2021 – November 2022 📍 Lille, France

- Helped two CAC40 clients with their Machine Learning and Big Data transformation.
- Put large-scale data models and processing workflows into production.
- Designed an efficiency benchmark, with Dijkstra complexity as the cost function, between several density-based PRM* methods for flight-path optimization.
- Initiated reporting and alerting mechanisms for a major Bigdata ecosystem as well as devops best practices and long-term code debt minimization.

Data Scientist (Intern)

Beyond Sports

📅 March 2021 – August 2021 📍 Alkmaar, Netherlands

- Published a Master's thesis on real-time match outcome prediction in elite soccer.
- Studied domain specific scientific literature in-depth.
- Replicated and improved complex machine learning models from said literature.
- Designed a rigorous experimental study to compare match prediction models.

Data Engineer (Intern)

CIES Football Observatory

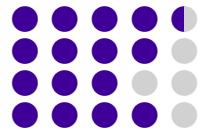
📅 June 2019 – July 2019 📍 Neuchatel, Switzerland

- Automated large scale football data collection using web-scraping
- Developed machine learning algorithms for soccer player analysis and clustering with respect to their match performances.

"Looking for exciting opportunities in the field of Machine Learning. Open to relocation if needed."

CODING

Python



Java

R

SQL

Keras

Pytorch

Tensorflow

Pandas

Scikit-learn

Stan

Apache Spark

Scrapy

Matplotlib

Seaborn

LANGUAGES

French (native)



English

German

SKILLS

Rigorous

Analytical

Problem solver

Autonomous

Team-work

Oral & written communication

Empathy

MCMC

Deep Learning

Statistics

Computer Vision

Reinforcement Learning

Graph Theory

ETL

Datalake

Operations Research

Agile software development

INTERESTS

- Lifelong sports fan. Great knowledge of football.
- Enjoy reading publications and books in English and French.
- Volunteering – Provided help to undergraduate students.
- Cinephile.
- Running.
- Learning chess.

EDUCATION

M.S. in Data Science

KTH Royal Institute of Technology & Aalto University

 August 2019 – September 2021

 Stockholm, Sweden & Helsinki, Finland

M.S. in Applied Mathematics

IMT Atlantique

 September 2017 – June 2019

 Nantes, France

B.S. equivalent in Maths & Physics

Lycée Faidherbe

 September 2015 – July 2017

 Lille, France

PROJECTS

 **Rating Soccer Players Finishing Abilities**

Fitted a logistic regression model on shot conversion (xG model) using MCMC for the inference. The latter contained a dummy variable for the player's identity in order to isolate the player isolated impact with an associated measure of uncertainty. Used the model to rank goal scorers in the Premier League 2021 edition.

 **Agorize - Sports Analysis Challenge**

Participated in a challenge organized by École Polytechnique and Paris Saint-Germain. The goal was to predict several infos such as one player's identity or the next event to occur from a 15 minute sequence of Opta F24 data.