

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 Neuchâtel, 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."

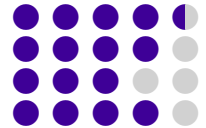
CODING

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.