




Xavier LAI
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Data Engineer



EDUCATION

- 2019-2021  **Master Applied mathematics, data science– DIGISPORT OPTION**
ENSAI/INSA/Rennes 1&2/Agrocampus, Rennes
- 2018-2019  **Licence Mathematics and statistics**
Université Bretagne Sud, Vannes
- 2016-2018  **DUT statistics and IT**
IUT – Université Paris Descartes



Blockchain and defi



10 years pianist



Sport fan

SKILLS

Statistics : Machine learning certification, big data, deep learning, markov chains, inferentials and Bayesian statistics, probability, time series, data visualization.

Language and software : Python and R certification, Git certification, SQL, PySpark, Java Script, TypeScript, Bash, XML, certification, SAS, Dataiku, Office.

Engineering : Certified GCP cloud engineer, webscrapping, docker, AirFlow, ETL, Ci-Cd, data science optimisation, database, system administrator, web developement

Language

French 

English 

Spanish 

REALISATIONS

2022 Nextrends V2

Nextrends is a unique tool that fetches data from multiple social networks in order to detect new trends. I was **lead data engineering** in the redesign of Nextrends. I then maintained and deployed new and robust features through the use of services, monitoring, analysis of time series and full-stack development. I also managed the Debian server hosting the solution.

2021 Sport platform in football for Stades Rennais (French pro club)

When I was at C-Ways we created a platform to monitor injuries and performances data for Stades Rennais (<https://www.staderennais.com/>). We also develop a long-term severe injury prediction model.

2020 Detection and identification in alpine skiing

Clustering of progression kinetics in young skiers. Supervised classification and creation of a typology index of progression for federal coaches and actors in the framework of Quentin Delarochelambert's thesis.

2020 Web sport app

NBA: https://xavierlai.shinyapps.io/nba_tool/ | Football (in progress): <https://s4foot.com/ligue1>

WORK EXPERIENCES

Since Feb 2021
Paris

C-Ways, data engineer

Data science consultant in the retail team for the first 6 month then lead data engineer in the tech team.

May 20-Jan 21
Paris

GIVENGO, data science consultant freelance

Consulting in mathematics and modeling as part of a basketball project in the national basketball league (Jeep Elite and Pro B).

May-Aug 2020
Paris 12

INSEP (National Institute of Sport, Expertise and Performance), intern data scientist

Machine learning to detect high potentials skiers.

April-Jun 2018
Paris 12

INSEP, intern sport resercher

Epidemiological study on the injuries of French athletes at the Beijing/London/Rio Olympics in the IRMES laboratory.