Xavier LAI +33 6 80 76 77 25 xavier.lai@orange.fr

Data Engineer



EDUCATION

2019-2021 Rennes

Master Applied mathematics, data science- DIGISPORT OPTION

ENSAI/INSA/Rennes 1&2/Agrocampus, Rennes

2018-2019 *Vannes*

Licence Mathematics and statistics Université Bretagne Sud, Vannes

2016-2018 **Paris**

DUT statistics and IT

IUT – Université Paris Descartes

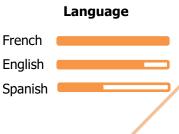


SKILLS

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



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.

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

When I was at C-Ways we created a platform to monitor injuries and perfomances 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 C-Ways, data engineer

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

May 20-Jan 21 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). **Paris**

May-Aug 2020 INSEP (National Institute of Sport, Expertise and Performance), intern data scientist Paris 12 Machine learning to detect high potentials skiers.

April-Jun 2018 INSEP, intern sport resercher

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

Paris 12