

# GUILLAUME ORSET-PRELET

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I earned a double degree in Management and AI from the joint programs of Grenoble School of Management and CY-Tech (engineering school), respectively in France. As a graduate student I had hands-on experience working as a data scientist, alternating between one week of vocational training and one week in the office. I am pursuing my career in Data Science with practical experiences in NLP and with a very business-oriented vision.

## Education

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**CY-Tech:** Programme Grande Ecole (2018-2022), *Master of Artificial Intelligence*, Cergy, Ile-de-France

**Grenoble School of Management:** Programme Grande Ecole (2018-2022), *Master of Management*, Grenoble, Isère

**French Baccalaureate Distinction:** best honors

**Polytechnic University of Valencia:** Academic Exchange, (January - July 2021), *Computer Science*, Valencia, Spain

## Professional Engineering Experience

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**Unify Group (gathers the digital activities of TF1, the 1st French TV channel), Data Scientist (work-linked training),** Paris, France  
September 2021-September 2022

- Independently fine-tuned a summarization model based on BARTez to provide abstracts of online media. Used Pytorch environment for fine-tuning and industrialized the project through a Kubeflow pipeline using Kubernetes. I obtained a ROUGE1 score of 33.68 and a BERT score of 72.32. Wrote a *Medium* article about it: <https://medium.com/@guillaumeorset/>.
- Implemented CI/CD for 3 projects to automate testing, documentation and releases using GitLab.
- Developed a new content-based recommender system for *Marmiton* with two data scientists to offer cooking recipes based on the ones visited by a user. Deployed the model using Google Cloud Platform (GCP).
- Led data science team. On-boarded the new leads in our team on NLP topics (2 types of recommender systems, 1 summarization model).
- Conducted A/B testing for a recommender system, improving the click rate by 300%.
- Migrated training models pipelines from Airflow to Kubeflow.
- Worked on churn prediction to maintain our subscribed users using LightGBM and XGBoost models.

**SNCF Voyageurs, Data Scientist (work-linked training),** Lyon, France

September 2019-September 2020

- Analyzed data related to TER (regional trains) traffic flows in France (Python).
- Implemented a real-time map with Folium to visualize the current capacity of over one hundred individual train lines across France.
- Developed a Python passenger flow forecasting model linked to on-board counting technologies to get counts for 90% of the trains against 20% before.
- Wrote the specifications of the new data-visualization tool and mock-up realized in WEB language (HTML, JS, CSS) to help business units create the actual tool in Power BI.

**Jones Lang LaSalle, Data Analyst Intern,** Paris, France

June 2019- August 2019

- Onboarded 30 employees to use *Salesforce Customer 360*.
- Identified 100% of prospective clients by leading *Salesforce* program registration, resulted in improving prospecting time by 15%.
- Participated in the launch of *Salesforce* at *JLL* testing the desired functionalities and data migration quality.
- Managed maintenance of 3 SQL databases.

## Extracurricular Activities

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**AggregEstate, Founder - Django Application,** Paris.

January 2021- April 2022

- Created a MySQL database fed by web scraping scripts to get as many real estate ads as possible from various companies (JLL, CBRE, KAUFMAN & BROAD). Normalized all metrics to get a usable database and to provide insights for each request on the website like the average price per square meter in the search area.
- Created a web platform in Django managing the backend in Python and the front-end in HTML, CSS, JS. Connected the MySQL database to the web platform through Django to make all the real estate ads available on the website.
- Created an inquiry system based on GPS coordinates using Google Maps API with a radius selector to allow users to select the size of the search area.
- Industrialized the website with *Python Anywhere* scheduling web scraping scripts to get real-time ads.

## Skills and Interests

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**Skills:** Fluent in English, French, and Spanish, GCP, Kubeflow, Kubernetes, BigQuery, Spacy, Pytorch, TensorFlow, CI/CD, GitLab, Python, Web Scraping, Django, Folium, Selenium, Machine/Deep Learning, NLP, Docker, BeautifulSoup

**Interests:** tennis, diving, films, skiing, soccer, biking, architecture, gastronomy, traveling.