



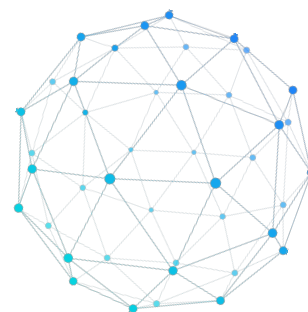
# Simon Alibert

## Machine Learning Engineer

4+ years experience • available now

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## ABOUT ME

I care deeply about the meaning and the impact of my work. I love taking on challenging problems and pushing my technical knowledge further. I can work from running experiments with models or optimize them, to the deployment and the management of their lifecycle in production. I love teamwork and am fluent in both English and French.

## SKILLS

### FUNCTIONAL

Machine Learning  
Deep Learning  
Computer Vision • NLP

### CODE

Python • Bash  
SQL • C++ • R • VBA

### TOOLS

Git • VS Code  
Microsoft Office

### FRAMEWORKS

ML: Pandas • Scikit-learn  
XGBoost • Spark • Dask  
DL: PyTorch • TensorFlow  
API: FastApi • Django • Flask

### INFRASTRUCTURE

Linux / Unix • AWS • GCP  
Docker • Kubernetes  
Terraform

### MLOPS

Apache Airflow • MLflow  
Weights & Biases

### CI/CD

GitHub Actions • GitLab-CI/CD  
Bitbucket Pipelines

### LANGUAGES

French: Native  
English: C2 level,  
TOEIC 2015 980/990

### SOFT SKILLS

Relational fluency  
Autonomous and rigorous

## EXPERIENCE

### MACHINE LEARNING ENGINEER 2022 - 2024 | Paris

#### FREELANCE

- I carried out an audit of pricing data for a commercial vehicle rental company and then built a **pricing engine** for pricing strategies optimization. (Python, Streamlit Cloud, Pandas, AWS S3)
- For a nutrition startup, I implemented a **recommendation** system for recipes using TSVD modeling of users preferences and deployed it in a backend **API**. I also provided an advisory roadmap and guidance for the next steps under businesses and VCs constraints. (Python, SQL, Docker, Bitbucket Pipelines)

### CONSULTING ACTUARY 2017 - 2020 | Paris

#### WILLIS TOWERS WATSON

- I have worked on a number of **modeling** projects: model transformations, migrations, optimizations, implementations and documentation. I also performed **production** and review of statutory calculations. (C++, R, VBA)

### MODELING ACTUARY 2014 - 2015 | Paris

#### CNP ASSURANCES

- I wrote my actuarial thesis on efficient liabilities valuation methods for life insurance companies.

## PERSONAL PROJECTS

### INTERGALACTIC NEWS 2023 | Paris

- Using **prompt engineering** and **prompt chaining**, I created this entirely automated newsletter to keep its readers informed about the latest developments in Space Science. Its content is weekly fetched, prompted to an **LLM** and sent to subscribers. (Python, OpenAI's API, Mailchimp's API, Github Actions, AWS Lambda & S3)

### GALAXY ZOO 2023 | Paris

- I performed image **classification** on the morphologies of distant galaxies with **CNNs** (ResNet) using **supervised learning**. I also set up a pipeline for experiments and **versioning** of models and dataset. I achieved SOTA performances on the task with an accuracy of around 96%. (Python, PyTorch, Weights & Biases).

## EDUCATION

### MACHINE LEARNING ENGINEER 2021 | Paris

#### YOTTA ACADEMY

### ACTUARIAL SCIENCE 2012 - 2015 | Paris

#### PARIS INSTITUTE OF STATISTICS

### MPSI - MP 2010 - 2012 | Montpellier

#### LYCÉE NOTRE DAME DE LA MERCI