



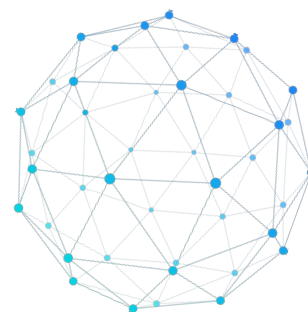
# Simon Alibert

## 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

### INFRASTRUCTURE

Linux / Unix • AWS • GCP  
Docker • Kubernetes

### 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  
Rigorous

## EXPERIENCE

### NLP PROJECT | INTERGALACTIC NEWS

2023 | Paris

- Using **prompt engineering** and **prompt chaining**, I created this weekly newsletter to keep its readers informed about the latest developments in Space Science. Its content is automatically generated from youtube videos transcripts and then summarized by a **LLM** (Python, ChatGPT).

### CV PROJECT | 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 improved upon the latest published SOTA performances on the task with an accuracy of around 96% (Python, PyTorch, Weights & Biases).

### MACHINE LEARNING ENGINEER | GOODSesame

2022 | Paris | Freelance

- 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).

### CONSULTING ACTUARY | WILLIS TOWERS WATSON

2017 - 2020 | Paris

- 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 | CNP ASSURANCES

2014 - 2015 | Paris

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

### FINANCIAL ANALYST | PREDICA - CRÉDIT AGRICOLE ASSURANCES

2014 | Paris

- I mapped the financial production of diversification assets in a low rates environment.

## EDUCATION

### MACHINE LEARNING ENGINEER | YOTTA ACADEMY

2021 | Paris

### ACTUARIAL SCIENCE | PARIS INSTITUTE OF STATISTICS

2012 - 2015 | Paris

### MPSI - MP | LYCÉE NOTRE DAME DE LA MERCI

2010 - 2012 | Montpellier