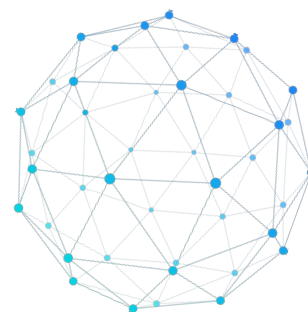# Simon Alibert
Machine Learning Engineer
4+ years experience • available now

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in /salibert ⬤ /aliberts ⦙⦙⦙ /aliberts 🌐 simon-alibert.com

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
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
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)*
- 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