

# PHILEAS CONDEMINE

## In short

2021-Now **Lead ML-Engineer NLP @ COVEA** : Delivering **Hybrid AI and Gen-AI** Efficient and **Frugal** Solutions in **Production** with **Azure, OpenAI & Databricks**.

2018-2021 **Senior Data Scientist @ Ministère de la Santé** : Modelling **Health Sequences** with **Transformers**. Help **Data-driven** decision-making during **CoViD-19** crisis.

2014-2017 **Actuarial Data Scientist @ AXA** Global P&C : **pricing** and **claims handling** with **machine learning** and **external data**.

## EXPERIENCE

2021-  
Now

### Lead ML-Engineer NLP



**COVEA** - AI Delivery

Paris, France

- **VOX.IA** : Client Verbatim Analysis. [AI Award-Winning Project](#).
- **NetMessages** : Offer real-time selfcare offer to the client with **Frugal AI**.
- **JudiCible** : Accelerate Claim Management with AI & Gen-AI Hybrid approach.
- **AI in Production** : Annotation, Finetuning, Deployment, Drift-Monitoring.
- Publication on [Medium](#) [COV&IA](#).

2018-  
2021

### Senior Data Scientist & (EIG)



**Ministry of Health**

Paris, France

- **Modelling Health Sequences** to predict diseases outcome and detect disruption.
- **Classification** with [active-learning](#) & [General Public WebApp](#) to find Health-focused statistics.
- Tools for regional health agencies : [Interactive Decision Making Tool](#) to help experts elaborate Zoning for health professionals.
- Tech Lead at **CoViD-19 crisis center** : Develop webapps to gather critical information from [hospitals](#) and [labs](#).
- **Workflow** to build **CoViD-19 Indicators** with **SIDep**, **SIVic**, **VacSI**.
- Produce *open-data* with anonymisation : **k-anonymity** & hierarchical I-diversity.

2014-  
2017

### Actuarial Data Scientist



**AXA Global P&C**

Paris, France

- **P&C pricing innovation** with **gradient boosting** and **ML-interpretation** / **XAI** techniques.
- Build and deploy **Claim Cost Analyzer** : **ML workflow** to score car repairers cost-efficiency.
- **NLP** on **bodily injury cases** to assess contentious risk.
- **Roads own-risk assesement** based on GPS **Telematics** data.

2014

### Actuarial Thesis



**AXA Belgium**

Remote

[Elderly drivers own-risk assessment](#) - **SCOR prize finalist**.

[Voir en français](#)

[Download the PDF on Github](#)



## CONTACT

[✉ phileas.condemine](mailto:phileas.condemine)

[github.com](https://github.com)

[gitlab.com](https://gitlab.com)

[≥ hackerrank.com](https://hackerrank.com)

[twitter.com](https://twitter.com)

[in linkedin.com](https://in.linkedin.com)

[☎ +33 643 549 576](tel:+33643549576)

## SKILLS

### Python & R Expert


**Gen-AI** : Summary, Auto-Label, Auto-Define, Key Info Extraction.

**Deep-learning with Pytorch & Transformers** : Classification.

**Machine-learning with GLM, XGBoost/GBM, SVM** : pricing, claims handling, fraud, churn.

### Big Data with Spark

**Dataviz** with Python (Streamlit) & R (Shiny)


2012 ● **CAT-Bonds Pricing Intern**  
 **SCOR** (6 months)  
 Pricing CAT-Bonds using Monte-Carlo Markov Chains MCMC.  
 Paris, France

## TRAINING


2023-2024 ● **Generative AI**  
 LLM, RAG, Finetuning, Prompt-engineering.  [deeplearning.ai](#)

2017-2020 ● **Deep learning**  
 Advanced training & hands-on projects.  [fast.ai](#), [datascientest](#), [deeplearning.ai](#)


2019 ● **Spark & Scala**  
 Scala Programming + Spark applications.  
 Coursera by Martin Odersky & Heather Miller




2016 ● **Web Development**  
 Introduction to HTML, CSS, Javascript & JQuery.  CodeSchool.com

2014 ● **Introduction to data science**  
 Main techniques of supervised & unsupervised learning : **SVM, Gradient-Boosting, Random Forests, k-means** etc.  
 Coursera by Bill Howe

2010-2014 ● **ENSAE Paris - IP Paris**  
  **MSc Actuarial Science & Data Science**  
 Paris, France

## TEACHING

2023-2025 ● **Gen-AI Masterclass (COVEA)**  
 Gen-AI theory and practice. Applications with Copilot. Scaling with Azure OpenAI. **Prompt-engineering**.  
 COVEA

2014-2020 ● **Data Science Teacher**  
 Data-Science for Actuaries &  Data Science Certification  
 Paris, France

- **Natural Language Processing** & Text-mining techniques.
- **Machine Learning** for structured data : Gradient Boosting & Support Vector Machine.
- **Data Science Hands-On** with R, data.table, xgboost, glmnet & liblinear...
- **Build Interactive Apps** with R + Shiny.
- **Data Science for Actuaries (DS4A)**: 5-days training with hands-on & 1-day hackathon to teach AXA actuaries Data-Science Techniques that can help them better solve Insurance-related problems. The Theoretical Training was given by [Arthur Charpentier](#).

## OTHER PROJECTS

I love to hack new data and therefore participated in many Hackathons & Kaggle competitions.

**Kaggle** : **AXA** "Telematics", **Otto** "Product Classification", **Quora** "Deduplication", West Nile Virus "Mosquito detection".

**Hackathon Gen-AI @ COVEA** "SAS to Python with LLMs" (oct. 2024).

**Hackathon @ ACPR TechSprint Gen-AI** (feb 2024).

**Hackathon Model Winner @ COVEA** "Churn Prediction and Mitigation" (2023).

**Hackathon @ AXA** "Chatbot for fast-quote with API.AI".

**Hackathon @ APHP** "Night-time-Treatment Outliers Detection in Intensive Care".

**Hackathon @ ARS-IdF** "Environmental Factors of ER admissions".

### Space Invaders Map

Programming a 4-wheel autonomous mini-car with Arduino.

Contribution to Open Project [Buloterie](#).

This resume was built with [R pagedown](#).

Last update 2025-02-09.