

# Henri Jamet

Student researcher in Machine Learning

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## Profile


• Researcher    • Loves Python &  $\text{\LaTeX}$     • Data Scientist    • Machine Learning Engineer


## EXPERIENCE

### • ML Student Researcher

**Tom Capital**  
- Statistical & Deep models for financial prediction  
- Cluster management  
- Feature analysis  
- Dash interface for model supervision

 04.10.2021 - 31/01/2022

 16.02.2023 - ongoing

 Othmarstrasse 8, 8008 Zürich

## EDUCATION

### • Engineering school

SCIA (Machine Learning & Datascience) Major NLP LRE Electiv Research Laboratory

 2020 - 2023  
 **Epita**, PARIS

### • Preparatory classes

Admitted to Ecole 42 and MPSI-MP preparatory classes

 2018-2020  
 **Sainte Marie** ANTONY

### • General Baccalaureate (Honors)

Awarded at the Engineering Olympiad

 2015-2018  
 **Lycée Louis le Grand**, PARIS

## OTHER

### • C++/Python

A chess engine based on a neural network evaluated at 2200 elo

### • Python/Torch

Competition RecSys : Recommendation system for a commercial site

### • Python/Dash

Statistical presentation of the results of the SCEI competition

### • Java

Multi-agent genetic algorithm for finding the best path

### • C++

Re-implementation of a Unix shell, Malloc, Libstream and Makefile

## ABOUT ME

Age: 23 years old, born 31.01.2000

Interests: Chess 1950 Elo; Climbing 7A;

Pianist, Organist, Cellist, Composer and Concertist (CEM, DEM, more than 16 years of practicing)

Transports: B License; Swiss General Subscription

*“ Passions do less harm than boredom, for passions always tend to decrease, while boredom always tends to increase. ”*

## LANGUAGES

Below, the dots represent my daily use of each concept

French    C2\*    ●●●●●●●●  
English    ●●●●●●●●  
German    ●●●●●●●●  
Native  
TOEIC 960  
B2 Baccalaureat level

Python    ●●●●●●●●  
 $\text{\LaTeX}$ /Shell    ●●●●●●●●  
C/C#/C++/Java/HTML5/CSS/SQL  
●●●●●●●●

Pandas/Numpy    ●●●●●●●●  
Sklearn/Tensorflow/Pytorch/Dash  
●●●●●●●●  
Django/Tkinter    ●●●●●●●●

## TOOLS I USE

- **Organization & note taking:** Obsidian & Notion
- **Programming :** VsCode, Jupyter, Git

# PUBLICATIONS

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## Arxiv publications

- **A benchmark for toxic comment classification on Civil Comments dataset**

Authors: *Corentin Duchene, Henri Jamet, Pierre Guillaume, Reda Dehak*

[Link to the article](#)

## Videos of Scientific Popularization

- **Learning continuous molecular descriptors by translating equivalent chemical representations**

Authors: *Henri Jamet*

[Link to the Youtube video](#)

- **Axiomatic Attribution for Deep Networks**

Authors: *Henri Jamet*

[Link to the Youtube video](#)

## Miscellaneous Articles

- **Natural Selection, Evolution & Multi Agent Systems**

Authors: *Henri Jamet*

[Link to the article](#)

- **Popularization article on the usual learning protocol for statistical models**

Authors: *Henri Jamet*

[Link to the article](#)

- **Small study of cellular automata**

Authors: *Henri Jamet*

[Link to the article](#)

- **Axiomatic Attributions for Deep Networks**

Authors: *Henri Jamet*

[Link to the article](#)



Figure 1: <https://henri-jamet.notion.site/>