


Mahli Reinette

mhreinette@gmail.com
mahli.reinette@etu.univ-lyon1.fr
Paris, Lyon¹
Get Latest version

 laboitenoire
in reimah
</> Python, R
0745044022
See light theme

LANGUAGES

- **Languages**

French
English
Vietnamese(soon)

2026
native language
(in progress)March. 2026

Hobbies

HOBBIES

- **Hobbies**

Literature
Music
Programming

SF and Fantasy
Electronic & Jazz
Python

Following sections items are clickable

EDUCATION

- **ISFA: Institut de Science Financière et d'Assurances**

Actuary degree : Actuary school

Lyon, France
(in progress)Sept. 2024 – Jun. 2027

- Applied mathematics: stochastic calculus, financial mathematics.
- Actuarial science: actuarial mathematics, options pricing, portfolio theory, provisioning (non life), collective insurance.
- Fundamental mathematics: stochastic process, inferential statistics, unsupervised learning, Lebesgue theory, probabilities theory, optimization.
- Computer science: stochastic simulations, data mining, factorial analysis, clustering, Python, advanced R, C ++, VBA, SAS, LaTeX, excel.
- Models: machine learning, generalize linear model, linear regression, logistic regression.
- Economy: risk economy, econometry, bank economy, game theory, micro-economy.
- Others skills: accounting, french constitutional law, corporate law, eu IT law.

- **ENU**

Exchange : National Economics University, Department of Financial Mathematics

Hanoi, Vietnam
Jan. 2026 – Mai. 2026

- Finance: financial theory, financial analysis, portfolio theory.
- Actuarial science: actuarial mathematics.
- Models: generalize linear model.
- Economy: insurance economy.
- Others skills: costs accounting, labour law, insurance law.

- **CPGE**

MPSI - MP

France
Sept. 2021 – Jun. 2024

- Fundamental mathematics: algebra, linear algebra, fonctionnal analysis, probability, series, topology.
- Computer science: language theory, graph theory, binary trees, logical theory, automata theory, Python, Ocaml, LaTeX, SQL.
- Physics: mechanic, chemistry, quantum mechanic(basics).

PROJECTS

- **T E R (work in progress)**² Feb. 2026 – Present
*Mathematics*¹: stochastic calculus, actuarial mathematics, statistics, financial mathematics
Language: Python, LaTeX, Markdown(jupyter)
- **Stochastic Provisioning Model**⁴ 2025 – 2026
*Mathematics*¹: markov chains, poisson process, continuous stochastic variables
*Methods*⁵: monte carlo, variance reduction, walker tables, reject method, survive function inversion, POO
ruin probability, tkinter interface, multi-thread
Language: Python, LaTeX, Markdown(jupyter)
- **Acces Final Project**⁷ 2025 – 2026
Project redaction: possible trajectory in the Paris subway
Language: SQL, LaTeX
- **TIPE(reshearh project)**⁸ : Data scrapping for language processing 2023 – 2024
Mathematics & theory: language theory, automata, graph theory, algebra(magma)
IT: automata, data scrapper, data scroller, NLP, machine learning, multi-thread, tkinter gui, POO
Language: Python, LaTeX
- **TIPE(reshearh project) : Procedural city generator** 2022 – 2023
Mathematics & theory: probabilities theory, conditional probabilities
IT: PIL, tkinter gui, POO, random simulations
Language: Python

PERSONAL PROJECTS

- **2D Game engin(work in progress)**⁹ 2026 – Present
Mathematics: geometry, linear algebra, automata
Language: Python, LaTeX, Markdown(jupyter)
- **Table role-play game « discord bot »**¹⁰ 2023 – 2024
Mathematics: automata
Language: Python

EXPERIENCE

- **Mathematics Tutor** Lyon, France
Mathematics tutor August 2024 - Present
 - logic theory, functional analysis, Python programming¹¹
- **First year intership** PAP, Guadeloupe
Intership Mai 2025 - Sept 2025
 - Accounting direction.
 - RH direction.
 - Commercial direction.

OTHER PROGRAMMING TOOLS

- **C++:** POO, interfacing R, parallelization.
- **VBA:** vba, userform.
- **Deep learning frameworks:** Keras, Tensorflow.
- **R:** dplyr, ggplot, tidyr, ade4, dbSCAN, optics.
- **Python:** jupyter lab, json, plotly, sci-kit, beautiful soup, PIL, pandas, discord, custom tkinter.
- **LaTeX:** minipages, commands, colorboxes, href.
- **SAS:** logistic regression.
- **java:** POO.
- **git:** git, github, gitmind.

CONTACTS

mahli.reinette@etu.univ-lyon1.fr

mhreinette@gmail.com

 laboitenoire

 reimah

0745044022

Lyon, 219 rue Marcel Merieux, 69007

ANNEXES

- | | | |
|----|----|---|
| 1 | 1 | <i>Lyon, 219 rue Marcel Merieux, 69007</i> |
| 2 | 2 | https://github.com/LaboiteNoire/TER |
| 3 | 3 | https://github.com/LaboiteNoire/TER/blob/main/pr%C3%A9sentation/pr%C3%A9sentation.pdf |
| 4 | 4 | https://github.com/LaboiteNoire/techniques-de-simulations- |
| 5 | 5 | https://github.com/LaboiteNoire/techniques-de-simulations-/blob/main/Pr%C3%A9sentation.pdf |
| 6 | 6 | https://github.com/LaboiteNoire/techniques-de-simulations-/blob/main/Methodes_otpimisees.ipynb |
| 7 | 7 | https://github.com/LaboiteNoire/Pr-sentation/blob/main/Pr%C3%A9sentation%20Acces.pdf |
| 8 | 8 | https://github.com/LaboiteNoire/Pr-sentation/blob/main/cr0004.pdf |
| 9 | 9 | https://github.com/LaboiteNoire/LolaEngine |
| 10 | 10 | https://github.com/LaboiteNoire/LoBot_02/tree/main/wskp0001 |
| 11 | 11 | https://github.com/LaboiteNoire/Pr-sentation/blob/main/chapitre%205.pdf |