[Intership]: « *Actuary* »

ISFA 2024 promotion, M1 Actuariat

During my studies, I discovered a strong interest in statistical modeling and stochastic calculus. I also worked on applied projects in R/Python focused on ruin theory. These experiences enabled me to develop rigor, critical thinking skills, and a strong ability to translate quantitative analyses into operational recommendations.

I am currently a **M1** student in **Actuarial Science at ISFA** and would like to apply for your « *Actuary* »internship offer.

Joining your team would represent an opportunity for me to grow in an environment where actuarial science directly contributes to risk management within sectors that are essential to the public interest. Curious and committed, I would be delighted to discuss my motivation with you in more detail and explain how I could contribute to your work and integrate into your team.

Following sections items are clickable

Mahli Reinette

mhreinette@gmail.com
mahli.reinette@etu.univ-lyon1.fr
latest version

laboitenoire
reimah
</> Python, R
dark theme

0745044022

Paris, Lyon

Skills

- *Stochastic Calculus*
- *Actuarial Mathematics*
- *Financial Mathematics*
- *Assets Management*
- *Finance*
- *Modélization*
- *Data Mining*
- *Statistics*
- *Machine learning*
- *Provisioning*
- *Clustering*

Programmat.

- *Python*
- *Excel - VBA*
- *R*
- *C++*
- *SAS*
- *LaTeX, Git*
- *Java*
- *Ocaml*

Languages

- *French*
  native language
- *English*
- *Vietnamese*
  (soon)
  March. 2026

Hobbies

— *Music*
— *Literature*
— *Programming*

Contacts

Éducation

- **ISFA:** *I*nstitut de *S*cience *F*inancière et d'*A*ssurances **Lyon, France**
  Actuary degree (work in progress : M1) Sept. 2024 – Jun. 2027
  - *Applied mathematics : stochastic calculus, financial mathematics.*
  - *Actuarial science : actuarial mathematics, options pricing, porfolio 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, SQL, ACCESS.*
  - *Models : machine learning, generalize linear model, linear regression, logistic regression.*
  - *Others skills : accounting, french constitutional law, corporate law, eu IT law.*
- **ENU:** *N*ational *E*conomics *U*niversity **Hanoï, Vietnam**
  Exchange : Department of Financial Mathematics Jan. 2026 – Mai. 2026
  - *Finance : financial theory, financial analysis, portfolio theory.*
  - *Economy : insurance economy, bank economy, game theory.*
- **CPGE** **France**
  MPSI-MP Sept. 2021 – Jun. 2024
  - *Fundamental mathematics : algebra, linear algebra, functionnal analysis, probability, series, topology.*
  - *Computer science : language theory, graph theory, binary trees, logic, automata, Python, Ocaml, LaTeX, SQL.*

Projects

- **Stochastic Provisioning Model** 2025 – 2026
  Mathematics : markov chains, poisson process, continuous stochastic variables.
  Methods : monte carlo, variance reduction, walker tables, reject method, survive function inversion, POO ruin probability, tkinter interface, multi-thread.
- **TIPE (reshearch project):** Data scrapping for language processing 2023 – 2024
  Theory : language theory, automata, graph theory, algebra(magma).
  IT : data scrapper, data scroller, NLP, machine learning, multi-thread, tkinter gui, POO
- « **bot discord** » for table role-play game 2023 – 2024
  Mathematics : automata.
  Language : Python

Expériences

- **Mathematics tutor** August 2024 – Present
  logic theory, functional analysis, Python programming
- **First year intership** Mai. 2025 - Sept. 2025
  direction : accounting, RH, commercial