

PROJECTS



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latest version

Following sections items are clickable

[laboitenoire](#)
[in reimah](#)
</> Python, R
[dark theme](#)

PROJECTS

- | | |
|---|---------------------|
| • TER (work in progress) ¹ | Feb. 2026 – Present |
| <i>Mathematics (in progress) : stochastic calculus, actuarial mathematics, inferential statistics, financial mathematics.</i> | |
| <i>Language : Python, LaTeX, Markdown(jupyter).</i> | |
| • Stochastic Provisioning Model | 2025 – 2026 |
| <i>Mathematics² : markov chains, poisson process, continuous stochastic variables.</i> | |
| <i>Methods³ : monte carlo, variance reduction, walker tables, reject method, survive function inversion, POO, ruin probability, tkinter interface, multi-thread.</i> | |
| • [Acces]Final Project | 2025 – 2026 |
| <i>Project redaction⁴ : possible trajectory in the Paris subway.</i> | |
| <i>Langage : SQL, LaTeX.</i> | |
| • TIPE:⁵ Data scrapping for language processing | 2023 – 2024 |
| <i>Theory : language theory, automata, graph theory, algebra(magma).</i> | |
| <i>IT : data scrapper, data scroller, NLP, machine learning, multi-thread, tkinter gui, POO</i> | |
| • TIPE : Procedural city generator | 2022 – 2023 |
| <i>Theory : probabilities theory, conditional probabilities.</i> | |
| <i>IT : PIL, tkinter gui, POO, random simulations.</i> | |

PERSONAL PROJECTS

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|---|----------------|
| • Mathematics Tutor (in progress) | 2024 – Present |
| • 2D Game engin(work in progress) (work in progress): isometric, pixel art | 2026 – Présent |
| <i>Mathematics : geometry, linear algebra, automata</i> | |
| <i>Language : Python, LaTeX, Markdown(jupyter)</i> | |
| • « discord bot » ⁷ for table role-play game | 2023 – 2024 |
| <i>Mathematics : automata.</i> | |
| <i>Language : Python</i> | |

1. <https://github.com/LaboiteNoire/TER>

2. <https://github.com/LaboiteNoire/techniques-de-simulations-/blob/main/Pr%C3%A9sentation.pdf>

3. https://github.com/LaboiteNoire/techniques-de-simulations-/blob/main/Methodes_optimisees.ipynb

4. <https://github.com/LaboiteNoire/Pr-sentation/blob/main/Pr%C3%A9sentation%20Acces.pdf>

5. <https://github.com/LaboiteNoire/Pr-sentation/blob/main/cr0004.pdf>

6. <https://github.com/LaboiteNoire/LolaEngine>

7. https://github.com/LaboiteNoire/LoBot_02/tree/main/wskp0001