

ONÉSIME BERNARD

I am a developer working in ML and computer forensics for the Lerti laboratory in Grenoble 🇫🇷. I studied mathematics and computer sciences at the University Paul Sabatier of Toulouse and before that engineering at the Polytechnic School of Louvain-la-Neuve 🇧🇪. When I am not bullying an innocent computer, you can find me on my bike, watching Formula 1 or playing video games with friends.



CONTACT

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SKILLS

Programming

Python ██████████
HTML/CSS/JS ██████████
Databases ██████████
C/C++ ██████████
Rust ██████████
R/Matlab ██████████
Mojo ██████████
OCaml/Coq ██████████
GO ██████████
Java ██████████
OpenGL/WebGL ██████████
Unity/UE5 ██████████

Operating Systems

Linux ██████████
Windows ██████████

Software & Tools

Data Visualisation ██████████
(matplotlib, ggplot, webGL)
Data handling/analysis ██████████
(numpy, scikit-learn, pandas)
LaTeX/Typst ██████████
Powerpoint ██████████
Blender ██████████

Languages

🇫🇷 French ██████████
🇬🇧 English ██████████

OTHER

Driving Licence (B)
Red Cross First Aid

WORK HISTORY

📅 09/2022 -
📍 Lerti, Grenoble
Software developer & SysAdmin
Design of tools for the extraction and analysis of digital evidence. Leading projects on facial recognition, speech-to-text, and other automated processing technologies. Production of report for criminal and civil cases. I acquired system administration responsibilities from 2023 onward.

EDUCATION

📅 2015 - 2018
📍 École Polytechnique, Louvain
Bachelor of Engineering
📅 2018 - 2022
📍 Université Paul Sabatier, Toulouse
Bachelor of Computer Science
📅 2018 - 2022
📍 Université Paul Sabatier, Toulouse
Bachelor of Mathematics

ACADEMIC EXPERIENCE

🏠 CIMI Artificial Intelligence Summer Camp
🏠 Internship at the Research Institute in Computer Science of Toulouse

SOME OF MY PROJECTS

- 📖 My talk about facial recognition for the Association Francophone des Sociétés de l'Investigation Numérique
- 📖 R library of bandit algorithms in a functional style. They are a family of AI algorithms focused on iterative experience and "expensive" to collect input data.
- 📖 Blender add-on to transform a 3D model produced by photogrammetry software into real-world, east-north-up space.
- 📖 My portfolio website made with Svelte.
- 📖 A collection of travelling salesman algorithms implemented in C.

GENERAL SKILLS

System design & administration Software engineering ML Algorithms
Adaptation Discipline RT^FM Self-sufficiency

INTERESTS

- ⚙ Cycling
- ⚙ Formula 1
- ⚙ Mathematics
- ⚙ Aviation
- ⚙ My pets