✉ letgui2@gmail.com

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France

📅 23 years old

🔗 guillaume-letellier.com

🏳 French

📍 USA
Europe
France

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💻

Languages

French
Native

English
Working proficiency

German
Elementary proficiency

Assets

Autonomous

Curious

Perfectionist

Interests

Computer Science
Artificial intelligence, parallel programming, quantum computing

Physics
Astronomy/astrophysics, quantum mechanics

Others
History, video games, urban music

Guillaume Letellier

PhD Student in Deep Learning

PhD Student in AI, specialized in computer vision. I am developing my skills in some of these technologies on different domains on which I have an attraction like video games, medicine or physics-chemistry.

Education

MSc in Computer Science, IDM course

From September 2021 to September 2023 — University of Caen Normandy Caen, France

Specialization in Machine Learning and Image/Signal Processing

BSc in Computer Science

From September 2018 to June 2021 — University of Caen Normandy Caen, France

Graduated with highest honors

Work experience

PhD Student in Deep Learning

Since September 2023 — GREYC, University of Caen Normandy Caen, France
Subject: Self-supervised learning of 3D point cloud representations

Research Intern

From February 2023 to August 2023 — CEA (Commissariat à l'Énergie Atomique et aux Énergies Alternatives) Palaiseau, France

Subject: Detection and tracking of the ball holder in videos of team sports matches

Data Scientist (Technical Intership)

From April 2021 to June 2021 — Orange Labs Caen, France

Subject: Development of a Python demonstrator for research work on financial transaction simulation

- Analysis of the data made available to me
- Creation of a naive simulator of financial transactions
- Training of machine learning methods to verify the realism of the simulator
- Continuous improvement of both from extracted rules
- Automation of the continuous improvement with a GAN

Skills

Machine Learning / Deep Learning

Data Analysis

Signal Processing

Software Development

Computer science skills

Development tools :
Git, Docker, Windows, Ubuntu

Mastered programming languages :
Python, **C**, **Java**, **PHP**, LaTeX, **HTML/CSS, Javascript, Typescript**, **SQL**

Familiar programming languages :
C++, **NodeJS**, Sass/Scss, **Dart**, Haskell

Scientific libraries :
NumPy, SciPy, **Pandas**, **Matplotlib**, Seaborn, **Scikit-Learn**, **TensorFlow**, PyTorch

Certifications / Additional training

IBM Quantum Challenge Africa 2021 Achievement

September 2021 IBM

Solving challenges using Qiskit

Academic projects

- Creation of games and AI for games
- N-body simulator
- House generator
- Movie recommendation system
- Data analysis and visualisation projects
- Multi-agent knowledge program interpreter
- Volume segmentation in medical images

Personal projects

- Computer learning web application
- Password manager
- Nebula image generator
- Web application for reselling books for students
- Predictor of the effects of chemical compounds on the human body