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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

## Data Science & AI Student

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

Since September 2021 **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

### ● 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 Internship)

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

## Social networks

 @Guigui14460

 @Guigui14460

 @guillaume-letellier

 @HadesGuigui

## 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