

Guillaume Letellier

1st year student of MSc in Computer Science

Portfolio : <https://guillaumeletellier-portfolio.netlify.app/>

Skills

Programming languages	Proficient: Python (native and Cython), C , Java , PHP , LaTeX , Javascript , HTML/CSS , SQL Familiar: NodeJS, Haskell, Sass/Scss , Typescript, Dart (Flutter)
Databases	MySQL/MariaDB , SQLite, PostgreSQL , Firebase, MongoDB
Frameworks	Django , ReactJS , JQuery, VueJS with Ionic
Scientific libraries	Numpy , Cupy, Scipy, Pandas , Matplotlib , Seaborn, Sympy, Astropy
AI librairies	Scikit-Learn , TensorFlow
Versioning manager	Git , SVN
Operating systems	Windows , Linux
Development software	Atom, Visual Studio Code , Android Studio

Experience

April 2021 – June 2021	Data Scientist – Internship , ORANGE LABS, Caen, France Development of a demonstrator in Python as part of research work on the simulation of financial transactions
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Education background and diplomas

Sep 2021 – Today	University of Caen, Normandy , <i>MSc in Computer science (in Machine Learning & Imaging)</i>
Sep 2018 – June 2021	University of Caen, Normandy , <i>BSc in Computer science (Decision Support and Artificial Intelligence option)</i> , with highest honour
July 2018	Salvador Allende High School, Hérouville-St-Clair , <i>Scientific High School Degree</i> , with honors

Languages

French	Native language
English	Working knowledge
German	Fundamentals

Areas of interest

Computer science	Artificial intelligence, algorithmic, quantum computing
Physics	Astrophysics/cosmology, quantum physics, general relativity

History Ancient Egypt and Greece, modern age, contemporary age

Projects

University projects

- Hello Caen application **Users can move around Caen and receive notifications of good deals on registered merchants near the user**
Programming languages used : Dart (Flutter)
Project link : Private
- House generator **Users can generate houses according to constraints, houses already built and plan its construction**
Programming languages used : Java
Project link : <https://github.com/Guigui14460/intelligence-artificielle>
- Pandemic site **Site allowing to put into practice our knowledge in PHP**
Programming languages used : PHP, SQL
Project link : <https://github.com/Guigui14460/pandemics-site>
- N-body simulator **Users can simulate N gravitationally interacting objects using Newton's laws of motion**
Programming languages used : Java (JavaFX 11)
Project link : <https://github.com/Guigui14460/simulateur-n-corps>
- Wargame optimizer **Users can play a strategy game in front of a computer and can, among other things, ask an algorithm to generate an army for them that will allow them to win**
Programming languages used : Python (PyGame)
Project link : <https://github.com/Guigui14460/optimisateur-de-wargame>

Personal Projects

- Artificial neural network **Implementation of an artificial neural network using the book "Neural Network From Scratch"**
Programming languages used : Python
Project link : <https://github.com/Guigui14460/neural-network-from-scratch>
- Password manager (not published) **Application to securely store passwords and other information**
Programming languages used : Java (JavaFX)
Project link : Private
- Projects generator **Open-source project allowing to generate the base of any project following the conventions of the chosen language**
Programming languages used : Python
Project link : <https://github.com/Guigui14460/project-automation>
- ProgLangLearn (not published) **Site offering trainings**
Programming languages used : Python (Django), HTML/SCSS, JavaScript (JQuery)
Project link : Private