



THEO CASTILLO

Computer Science Student

📞 (+33) 6 16 18 38 92

✉ theocastillo@yahoo.com

📍 Bordeaux, France

🌐 tcastillo.me

🐙 theosorus

🌐 theocastillo

I am currently looking for a work-study position starting in September 2025 to apply and further develop my skills in software development.

PROJECTS ([E-PORTFOLIO](#))

Language Model [Personal](#)

Creation and training of a French language model using PyTorch

GPT2 Haskell [Internship](#)

Implementation of the GPT-2 model in Haskell using the Hasktorch library in functional programming

Neural Network Library [Personal](#)

Development of a neural network library from scratch in Python

Graph Visualizer [Studies](#)

Development of a graph visualizer in Java using the JavaFX library

Particle Simulator [Personal](#)

Implementation of a particle system simulation in C++ using the SFML library and Verlet integration

TradeFormer [Personal](#)

Development of a Transformer-based model to predict financial data

License Plate Detection and Recognition [Personal](#)

Development of a Python pipeline with two YOLO models in sequence: the first detects the license plate in the image, the second extracts the characters from the detected area

COMMUNITY ACTIVITIES

Participation in machine learning competitions on the Kaggle platform

Publication of a Formula 1 dataset on Kaggle

HOBBIES

Chess, Formula 1,
Card Games,
Running,
Programming

LANGUAGES

English: B2
Spanish: A2

SKILLS

Programming Languages:

[Java](#) [Javascript](#)
[HTML](#) [CSS](#) [C](#) [C++](#) [C#](#) [Haskell](#)

Artificial Intelligence :

[PyTorch](#) [scikit-learn](#)
[Matplotlib](#) [TensorFlow](#) [Numpy](#) [Pandas](#)

Web:

[React](#) [Symfony](#) [Django](#) [Bootstrap](#)

Software:

[NetBeans](#) [WebStorm](#) [PyCharm](#)
[Visual Studio Code](#) [Visual Studio](#) [IntelliJ](#)

Databases:

[SQL](#) [MySQL](#) [pgAdmin](#)

[SQL Server Management Studio](#) [WinDesign](#)

Versioning:

[Github](#) [Git](#) [GitLab](#)

EXPERIENCE

Ochanomizu University - Tokyo 2025

10-week internship at Ochanomizu University in Tokyo, in a research laboratory focused on machine learning and natural language processing.

Grands Chais de France 2024

Seasonal job for one month, where I was responsible for order palletization.

Aquilux 2019

One-week observation internship at Aquilux, a company in the electrical field.

EDUCATION

IUT of
Gradignan
2024-present

BUT in Computer Science

Currently in my second year of a BUT in Computer Science

Gustave-Eiffel
2020 - 2023

Technological Baccalaureate with High Honors

Sainte Marie Bastide
2015 - 2019

Middle School Certificate with High Honors