



TRISTAN LECOURTOIS

Future software engineer

About me

As an engineering student with a passion for computer science and mathematics, I'd like to specialize in the fields of Big Data and Artificial Intelligence.



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LANGUAGES

- English C1
- Spanish B1
- French

SKILLS

Python C R OpenCV Pytorch
Tensorflow Keras sklearn
Numpy Matplotlib Pandas SQL
Matlab Html Xml Css Scrapy

KEY WORDS

Machine learning, Deep learning, data science, image processing, object detection, robotics, convolutional neural networks

EXPERIENCE AND PROJECTS

Modeling and design of a convolutional neural network - 2023

Development and training of an automatic speech recognition algorithm based on lip movement analysis in Python
2023

TIGE - Combinatorial optimization applied to the travelling salesman problem 2021-2023

Study and comparison of approximate solution methods, with proposal of a metaheuristic based on swarm intelligence concepts to find good approximate solutions in a reasonable time.
2021-2023

Internship at FEV-Rouen 2017

Working in the Systems Optimization department at FEV, which specializes in powertrain development, I learned about engine dynos and the digital simulation processes used to improve the efficiency of internal combustion engines.

EDUCATION

École Nationale des Mines de Saint-Étienne (ISMIN)

Learning computer science especially C, Matlab and statistics, probability, signal mathematics and management
2023-2026

CPGE MPSI-MP Lycée Pierre Corneille - Rouen

Two-year intensive scientific training to prepare for the competitive entrance exams to the Grandes Écoles.
2021-2023

Thomas Corneille High School

Baccalauréat European Section, Specialities Mathematics - Physics-Chemistry - Engineering Sciences - Expert Mathematics
2018-2021

HOBBIES

Basketball Chess
Saxophone Reading