

# Adrien Jarretier-Yuste

## Master of Computer Science in Artificial Intelligence

Montpellier – France



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### Education

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<b>Lyon 1 University</b> <i>Master's Degree A.I.,</i>	<b>Lyon</b> 2017–2019
<b>University Champollion</b> <i>Bachelor's Degree in Computer Science,</i>	<b>Albi</b> 2015–2017

### Experience

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#### Internships.....

**Cancer Research Center of Lyon (CRCL)** **Lyon**  
*Machine learning for prediction of epigenetics markers of DNA* **2019**  
6 months internship, analyses of third generation DNA sequencer (MinION, nanopore sequencing) data, training of machine learning models to predict epigenetic markers on cytosines, 5mC and 5hmC.  
CRCL, UMR Inserm 1052 CNRS 5286 - Centre Léon Bérard

**IT department, City of Albi** **Albi**  
*Internship to solve a mtsp, Project Rout-Ine* **2017**  
2 months at the IT department of the city of Albi. Implementation of a genetic algorithm to solve a combinatorial optimization problem.

#### Projects.....

- Markov chain string generator ( [View on GitHub](#) ) : Makes a Markov chain model from a list of words and use it to generate plausible random words.
- Rout-Ine ( [View on GitHub](#) ) : Partition a set of addresses between multiple delivery men as to optimize their routes.
- Troll project : Machine learning with a Multilayer perceptron.

## Computer skills

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**A.I.:** Machine Learning, Neural networks, Reinforcement learning, Data Mining, Multi-agent system, FIPA (Jade framework), Genetic Algorithms

**Theoretical:** Game theory, Graphs theory, functional programming

**Programming:** C++, JAVA, Prolog, Python, JavaScript, NodeJs, Caml, Arduino

**Systems:** Linux, Ubuntu Server, Ubuntu, Bash **Databases:** Postgres, Mysql, SQLite scripts, Windows

## Languages

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**French:** Fluent

*Native Language*

**English:** Fluent