

# FRANÇOIS CASTAGNOS

Final year engineering student looking  
for an internship in Artificial Intelligence

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📍 Paris, France

🌐 castafra.github.io



in castafra

## EXPERIENCE

### Data Scientist

#### ClaraVista

📅 Feb 2020 – July 2020

📍 Singapore

- Developed machine learning models for business recommendations
- Created client segmentation and personalized algorithms to predict the value of a future client and the performances of marketing actions

### Data Scientist

#### Open Pricer

📅 Aug 2019 – Jan 2020

📍 Paris, France

- Developed several pricing models to be provided to companies, using statistical tools and Machine Learning methods
- Conceived a dashboard application with R-shiny to explain these models and help clients understand the analyzes

## EDUCATION

### Master of Engineering

#### CentraleSupélec | Université Paris-Saclay

📅 Sep 2017 – Ongoing

📍 Paris, France

Key subjects studied: Math, Data Science, Signal Processing and Computer Science.

- Working on a 300-hour end of studies project : Currently developing a Deep Learning solution to identify and reproduce the different parts of an image to optimize video compression. (NLP, Object Detection, Transfer Learning)
- Worked on a 50-hour Data Science 3-person school team project on predicting sleep stages – in collaboration with DREEM
- Worked on a 150-hour Robotic 3-person school team project to automate a 5-axis robot to understand the control of the arm in a cyclic movement

### Classes Préparatoires aux Grandes Ecoles

#### Lycée Thiers

📅 Sept 2014 – July 2017

📍 Marseille, France

Intensive preparation in Math and Physics for the entrance exams to the French Grandes Ecoles

### Baccalaureate in Science, Specializing in Maths

📅 2014

📍 Arles, France

US equivalent to High school degree + 1 year, with highest honors

## PERSONAL PROJECTS

### Diurn.ai

NLP algorithm that scraps the news and summarizes it in an Instagram post everyday (Tensorflow, Selenium, BeautifulSoup)

### Miniaturized Autonomous Vehicule

Transformed a remote controlled car into an autonomous vehicle using a Raspberry Pi and Python (OpenCV, Tensorflow Lite)

## TECHNICAL SKILLS

### </> Coding

Python (NumPy, Pandas, Tensorflow, OpenCV, Dash...), R (Shiny), JavaScript, HTML, CSS, Matlab, C++

### 💻 Software

Microsoft Office, Adobe Creative Cloud (Premiere Pro, Photoshop, Ilustrator), SAS

### ในฐาน נתונים

SQL, MongoDB, Neo4j, Spark

### ⊕ Others

Linux, Arduino, Raspberry Pi, Jenkins, Docker

## LANGUAGES

### French

Native

### English

Fluent

Passed CAE exam, TOEFL ITP (650/677)

### Spanish

Intermediate

## ACTIVITIES

### Experience

2017 - PRESENT : Hyris Television – Vice-President in charge of skills training (Hosted a weekly TV show)

### Hobbies

Rugby (French University League with the school team), Artificial Intelligence (NLP, Kaggle Competitions), Travelling (Backpacking)