

# Frederic Tamagnan

Machine Learning Student  
26 yo  
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## Experience

### **Vectaury / Data Scientist**

APRIL-SEPTEMBER 2017 (5 MONTHS), PARIS

*Geo-advertising programmatic start-up. 60 people. 10M euros of turnover*

- CTR optimization with supervised learning.
- Studied publications about recommender systems based on association rules .
- Made a decision-making tool for real-time media trading.
- Data Transfer and Aggregation with Apache Airflow
- Gave data-oriented presentations to the marketing team.

## Academic Projects

### **Deep Learning and A.I.**

MAY 2018 (2 X 2 MONTHS), BREST

*Short projects during deep learning and A.I. courses*

- Lectures about CNN, RNN, generative models referring to a Stanford's deep learning course.
- Implementation of Pose estimation predictions in python based on a scientific paper "Convolutional Pose Machine" (specific CNN architecture)
- Developed an artificial intelligence for a video Game (PyRat)

### **Signal Processing / / in collaboration with the french start-up WaryMe**

JANUARY - JUNE 2018(6 MONTHS), BREST

*Triple tap detection on a smartphone with accelerometer/sound signal*

- Studied publications about detecting human behaviour from smartphone sensors
- Implementation of triple tap detection in embedded Java code

## Education

### **Master of Engineering, IMT Atlantique (ex Telecom Bretagne)**

2016-2018 (2 YEARS)

Majors in Machine Learning and Signal Processing  
Computer science and Networks / Electronical Engineering

double deegree with

### **Master of Science in Management, Grenoble Ecole de Management**

2014-2016 (2 YEARS)

Majors in Advanced Finance and Digital Marketing

### **Bachelor, Fundamental Physics and Maths, Université Paris-Sud 11**

Algebra, Calculus

Mechanics, Thermodynamics, Electronical Engineering

## Awards and Languages and Skills

### **Ranked 1st in my university @Google Hash code contest**

French (native), English (advanced)

Keras, Sci-Kit Learn, L<sup>A</sup>T<sub>E</sub>X