

Tanguy KERDONCUFF | Engineer

9 Rue Charles Fourier – 91000 – France

☎ +33667627605 • ✉ tanguy.kerdoncuff@laposte.net

Talented French engineer looking for a **6 month internship** from February 2018 in Machine Learning and applied Mathematics followed by a **thesis**.

Education

Masters of Science at Telecom SudParis – One of France's highest ranking engineering schools

Telecom SudParis, 9 Rue Charles Fourier 91000 Evry

Paris
2015–present

- 1st and 2nd year : **Top of the year twice**, getting the best marks of all 200 students
- Final year : Specialization in **Data Science**: Big data, Machine learning and **Statistics**

French preparatory courses for the highly selective competitive entrance to Engineering Schools

La Martiniere Monplaisir, 41 Rue Antoine Lumiere, 69008 Lyon

Lyon
2013–2015

- Mathematics, Physics and theoretical Computer Science

Professional experience

GlaxoSmithKline – Clinical Data analysis

Supervisor : David-Olivier Azulay, Stockley Park, UB11 West Drayton

London
July–September 2017

- **Computation** of new normal ranges for clinical trial using GSK empirical distributions
- **Visualization** with the R package **ggplot** of the correlations between different laboratory measurements
- **Graphical representation** of clinical trial using a **Latex** package

Sanofi – Storage section

Supervisor: Sandrine Beroge, 20 Avenue Raymond Aron, 92160 Antony

Paris
June–July 2016

- Employed **NettApp** software and managed storage bay.

School related projects

Image recognition applied to robotics

Cylinder recognition with **Deep Learning** algorithm

January–June 2017

- **98.5%** of recognition during the French Robotic Cup
 - Photo taking and labelling for the creation of the dataset
 - Construction of the **Convolutional Network (Keras)** and optimization of parameters

Kaggle classification competition Give Me Some Credit

Kaggle : an online platform for predictive modelling competitions

January–March 2017

- Various **classification** methods with **Scikit Learn** library: Random Forest, AdaBoost, SVM and K-means

Determined unknowns in an electronic system:

- Graphical interface with JavaFx

February–June 2016

INTech – Robotic club

Member of the robotic club of Telecom SudParis

2015–today

- **9th** out of 150 competitors at the **French Robotic Cup** Eurobot (2016)
 - Team work and project management (MOOC GDP6 Project Management)
 - Designed and construct the mechanics of the robot
 - **Developed** and enhanced an **algorithm** for the robot

Computing Skills

Big Data oriented languages and tools:

- Programming languages: **R** (ggplot, dplyr), **Python** (Keras, Scikit Learn, OpenCV), **SAS**, Matlab, Latex
- Other Tools: **SQL**, **Git**, Excel. Notions of Hadoop and Spark
- Visualisation Tools: Notions of Spotfire and ZoomData

Other languages:

- Programming languages: Java (JavaFx), C, C++, Camel, Bash

Languages

French: Native Speaker

English: European level **B2** corresponds to **TOEIC 780**

- **Twelve week** internship in **London**
- Trips to English speaking countries: New York/Los Angeles/San Francisco/London

German: Basic German skills