Tanguy KERDONCUFF | Engineer

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Born: 28/11/1995

French engineer, in his last year of his thesis in **computer science**,
looking for a job in Machine Learning in **Paris**.

Education

Masters of Science at Telecom SudParis – One of France's highest ranking engineering schools — **Paris** — *2015–2018*
Telecom SudParis, 9 Rue Charles Fourier 91000 Evry
- **Best student of the promotion**, getting the best marks out 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 — **Lyon** — *2013–2015*
La Martiniere Monplaisir, 41 Rue Antoine Lumiere, 69008 Lyon
- Mathematics, Physics and theoretical Computer Science

Professional experience

Hubert Curien Laboratory – Thesis: Optimal Transport for Machine Learning — **Saint-Etienne** — *2018-today*
Supervisor: Marc Sebban, 18 Rue du Professeur Benoît Lauras 42000
- Publications in the best Artificial Intelligence conferences:
  IJCAI 2020 (Rank A*), **ICML** 2020 (Rank A*), **ML Journal** in partnership with **ECML-PKDD** 2021 (Rank A).
- Supervision of an internship on **fraud detection** in collaboration with the french public finance department (**DGFIP**)
- **Teaching** in university: Python (L1), Probability (L3), Algorithmic (M1), Machine Learning (M1)
- **Contribution** to the open source **package POT**: Python for Optimal Transport

Hubert Curien Laboratory – Deep Learning (internship) — **Saint-Etienne** — *February-September 2018*
Supervisor: Rémi Emonet, 18 Rue du Professeur Benoît Lauras 42000
- Semantic segmentation with a **convolutional neural network** in **Pytorch**

GlaxoSmithKline – Clinical Data analysis (internship) — **London** — *July-September 2017*
Supervisor : David-Olivier Azulay, Stockley Park, UB11 West Drayton
- **Visualization** with the **R** package **ggplot** of the correlations between different laboratory measurements
- **Graphical representation** of clinical trials using a **Latex** package

School related projects

Object tracking in 3D space with **MATLAB** using two cameras — *2017-2018*

Image recognition applied to robotics during the **French Robotic Cup** — *2016-2017*

Kaggle classification competition Give Me Some Credit — *January-March 2017*
Kaggle: an online platform for predictive modelling competitions
- Various **classification** methods with **Scikit Learn** library: Random Forest, AdaBoost, SVM and K-means

Member of the robotic club INTech in Telecom SudParis: — *2015–2016*
- **9th** out of 150 competitors at the **French Robotic Cup** Eurobot (2016)

Computing Skills

Data Science oriented languages and tools:
- Programming languages: **Python** (**Pytorch**, Keras, Scikit Learn, OpenCV), **R** (ggplot, dyplr), Matlab, Latex, SAS
- Other Tools: **Git**, SQL, Excel.

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

Languages

French: Native Speaker   **English**: **C1 Cambridge** certification (2019), **TOEIC 930** (2017)   **German**: Basic German skills

Spare time

- Subject of interest: Economy, politic, science, social science, critical thinking
- Hobbies: Video game, Magic the Gathering, badminton, electronic music, fantasy reading