



# Tallulah Gilliard

Data Engineer

## Personal informations

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[github.com/tgll](https://github.com/tgll)

[tgll.github.io/pages/about](https://tgll.github.io/pages/about)

## Education

2017 > 2019

Master Human-Computer Interactions and Design — univ. Paris-Saclay / KTH Stockholm  
[http://bit.do/programme\\_hcid](http://bit.do/programme_hcid)

2016 > 2017

Technical degree in Computer Science — Bordeaux

2013 > 2016

Bachelor in Applied Mathematics and Cognitive Sciences — Bordeaux

2013

French Baccalauréat - Lycée Montaigne, Bordeaux

## Interests

Machine Learning / AI / DL

Human Computer Interactions

Mixed Reality

Bayes Theorem

Drawing / Art / Reading

Surf / Martial Arts / Climbing

## > Hello world !

I am a Data Engineer interested in Machine Learning and Differentiable programming applications, Neurosciences, Neuroinformatics, Reinforcement Learning, Computer Vision, Robotics, Mathematical modelling, NLP and Tangible Interfaces.

After working at Fieldbox.ai in the Machine Learning team, building python libraries and working on a computer vision project, I am now heading towards new opportunities!

## Skills

**Coding:** Python (numpy, sklearn, pandas, tensorflow, keras, pytorch, opencv), Git, Java, R, Processing, Matlab, Maple, Databases, Raspberry, web

**Mathematics:** Multivariate Statistics, Calculus Analyse, Linear/non-linear Algebra, Probabilities, Dynamical Systems, Biomathematics, Graphs Theory, Logic

**Cognitive Sciences:** Neurobiology, Neuroanatomy, Linguistics, Cognitive Psychology, Philosophy, Ergonomics, UX/UI

**Others:** Research (scientific reading/writing, protocols, experiments...), Design, Group work, Business & Entrepreneurship

**Languages:** French (native), English (fluent), Japanese (7 years), Spanish (5 years), Swedish (1 year)

## Experiences

**Fieldbox.ai** — Data Engineer (2020.03 > now)

AI deployment platform for industrial operations, building ML tools and libraries for data scientists and clients, customise computer vision algorithms to industrial purposes (python, sklearn, keras, cv2)

**INRIA Flowers** — Robotic Engineer, UX designer (02 > 2019.07)

Robotics & Education, building robots (python) and robotic activities (snap!), running experiments with users, exploration algorithms

**EIT digital** — Visiting Student (07 > 2018.08)

Prototyping and business model project of an haptic keyboard

**INRIA Potioc** — Soft/Hardware developer (05 > 2018.07)

Tangible interface with data visualisation of energy consumption (IoT, python, raspberry pi)

**Ultrahaptics** — Data Analyst (06 > 2017.08)

Mathematical modelling of acoustic ultrasound waves of an haptic hardware board, data analysis/pre-processing, HCI, (python, java, COMSOL)

**Akiani** — Human Factors Engineer (01 > 2016.06)

Experiment design (human factors, expertise, motion detection), and data analysis of eye-tracking (Tobii studio, python, opencv)

**INCIA** — Lab assistant (07 > 2014.08) auditive perception, python

## Associative Experiences

**WORLD.MINDS** — Volunteer (2019 > now)

**FRESCO\*** — Vice-president, Vice-secretary (2016 > 2018)

\* French federation of students and researchers in cognitive sciences

**Mindlabdx\*** — Secretary (2016 > 2018)

\* open-lab (hackathons, workshops, talks, open-science, ML, lucid dreams)

**DjangoGirls** — Coach (2016 > 2017)

**ASCOERGO\*** — Vice-president, Vice-secretary (2013 > 2016)

\* Student association of cognitive sciences and ergonomics in Bordeaux

**TEDx Université de Bordeaux** (2014 > 2015)