



JENNA FRADIN

Neurosciences graduate student

CONTACT



(+33) 0612.53.35.23



jennafradin@univ-tlse3.fr



62 rue ferrari appartement 310
Résidence Nexity
13005 Marseille



github.com/jennafradin



linkedin.com/in/jenna-fradin

EDUCATION

2018-2020 **MSc in Neurosciences, Behavior and Cognition**
Paul Sabatier University, Toulouse, France

Relevant Coursework: cognition, modeling and in-depth numerical analysis, statistics, bio-robotics and neuroprosthesis, mnemonics and plasticity processes, collective behaviour in biological systems

2016-2018 **BSc in Population Biology, Ecology and Evolution**
University of Reunion Island, Saint-Denis, France

Relevant Coursework: mathematical biology, biostatistics, physiology, structural biochemistry and bioenergetics

2014-2015 **First year of medical school**
University of Reunion Island, Saint-Denis, France

SKILLS

- Cognition, Neurosciences
- Psychophysics
- Statistical Analysis
- R (ggplot2, dplyr, jags)
- Python (Sklearn, Torch)
- Git
- Project management

LANGUAGES

French

Native Proficiency

English

Professional Proficiency

German

Notions

EXPERIENCE

Jan-June 2020 **Institut de Neurosciences de la Timone (INT), Marseille**

Modeling the visual cortex v1

Supervisor: Laurent Perrinet (Researcher)

- computer modelling of the visual cortex v1 and integration into a paradigm of dynamic visual stimuli in order to study the model's perception of movement
- comparison of neural network performances on an orientation discrimination task with participant performances
- statistical analysis and machine learning methods (Torch, Sklearn) for data mining, bias correction and prediction

Jan-March 2019 **Centre du Cerveau et Cognition (CerCo), Toulouse**

Estimate the dynamics of mental simulations of different property spaces

Supervisors: Robin Baures (Researcher), Tushar Chauhan (Post-doc)

- How can people judge the current position of an occluded moving object and the current number on an occluded digital counter ?
- creation of a prediction motion task and number prediction task using Psychopy
- statistical analysis using R

HOBBIES

Running, Aikido, Hiking, Snorkeling

CERTIFICATION

June 2018 - **TOEIC** (925/900)
C2i