



PAOLO UMBERTO AGLIATI

Student

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Work Experience

2022

Research Internship - "IMCN"

- Developing hierarchical Bayesian models in a reinforcement learning framework to study value-based risky decision making in humans (R, Javascript)
- Poster presentation for the "Joint Deep Brain Meeting", OBA Forum, Amsterdam
- Symposium presentation and project report for IMCN

2021 - ongoing

Growth advisor - musr.app

- Optimising user acquisition and retention for musr.app, a web app that matches users based on their Spotify listening habits
- Around 600 monthly active users in the beta test phase

2020

Research Internship - "Rita Levi Montalcini"

- Took part in a project at the "Rita Levi Montalcini" Neuroscience lab (Milan), studying the mechanisms of neurodegeneration induced by reactive gliosis in PD
- Employed in vitro models of astrocytes, primary neuronal cultures, and behavioral experiments in mice
- Literature research and thesis on organoid models and PD biomarkers

2018 - 2020

Social media advisor

- Sided the social media manager for the creation of editorial plans, as well as community strategy and monetization
- Indiependenti: the biggest indie-music community in Italy (300k flws)
- Il Superuovo: one of the most influential school-related communities (1mln flws)
- Daddy Conte: Satiric page popular during the first COVID19 lockdown (40k flws)

2016 - 2018

Private Lessons

Assisted different students in completing middle school exams, and followed them in the first years of high school

Education

2021- ongoing

Universiteit van Amsterdam

Master's degree - Brain and cognitive sciences (Behavioural neuroscience track)

2017 - 2021

Università Milano Bicocca

Bachelor's degree - Biotechnology

2011 - 2016

Liceo Scientifico G. Galilei (Erba)

Scientific High school Diploma - Applied sciences track

Academic Experience

- 2022 - ongoing, **Literature Thesis**
Brain-inspired memory implementation in reinforcement learning

- 2022, **Project - Neural dynamics and Deep learning**
Investigations in working memory using a large-scale model of the macaque neocortex

- 2022, **Visit at the Max Planck Institute for Human Cognitive and Brain Sciences, Leipzig**
Lectures, lab tours and workshops

- 2022, **Neuromatch Conference**

- 2022, **Summer School - Computation in consciousness and perception**
Workshops and poster presentation: Predictive coding for binocular rivalry

- 2021, **Visit at the Donders Institute for Neuroscience, Nijmegen**
Lectures, lab tours and workshops

- 2021, **Amsterdam Neuroscience Annual Meeting**
Essay on poster: Enhancement of contextual fear memory by interference with astrocyte-synapse structural plasticity

- 2020, **Literature Thesis**
Development of a 3D model for sporadic Parkinson's disease G2019S-LRRK2 using midbrain organoids

Languages



Skills



Hobbies



I am an eager researcher of new genres and experiments, I play the bass guitar since I was 13 years old.



Papers and online courses from neurobiochemistry to machine learning accompany me in my extracurricular life.

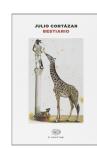


I write poems, short stories and general considerations for myself and for the few friends who are patient enough to read them.

Favorite books



J. Monod -
Chance and
Necessity



J. Cortázar -
Bestiary



R. Cialdini -
Influence:
Science and
Practice