

KATIA CHARDON

PhD student in Neuroimaging and Artificial Intelligence

Mail ◊ LinkedIn ◊ Website ◊ Github

EXPERIENCES

NeuroPhysics, NeuroSpin, CEA, Université Paris-Saclay, France *November 2024 - now*

PhD under the direction of Davide Boido, Luisa Ciobanu and Charles Laidi.

Functional connectivity and excitability of the cerebellum in schizophrenia patients and mouse models.

NeuroPhysics, NeuroSpin, CEA, Université Paris-Saclay, France *April - October 2024*

Internship supervisors : Davide Boido and Charles Laidi.

Exploration of Functional Connectivity in a mouse model of schizophrenia.

Parietal, Inria Saclay, France *May - August 2023*

Internship supervisors : Bertrand Thirion, Apolline Mellot and Thomas Chapalain.

Brain age prediction with MEG data.

Maison du doctorat, Université Paris-Saclay, France *September 2022 - May 2023*

Working under the direction of Hamida Muller.

Civic Service. Ambassador of the medical and social support systems for doctoral students.

ERIAS, Bordeaux population health, Université de Bordeaux, France *May - June 2021*

Internship supervisors : Gayo Diallo and Marina Boudin.

Set up of a database and a graphical interface, and data visualization for the OREGANO project.

EDUCATION

Institut Polytechnique de Paris, France

Master 2 Data and AI

2023 - 2024

Subjects : Image mining and content-based retrieval, Natural Language Processing and Speech Processing, Advanced Deep Learning, Deep Learning for Computer Vision, Medical Imaging, Representation Learning for Computer Vision and Medical Imaging, Neurosciences.

President of IPPERMACULTURE, a shared garden project on the campus.

Master 1 Data and AI

2022 - 2023

Subjects : Data Visualization, Data Bases, Advanced Machine Learning and Autonomous Agents, Natural Language Processing, Reinforcement learning, Computer vision, Data Stream Mining, Introduction to Deep Learning.

Team leader of the communication team of the IPP Racing Team.

University of Helsinki, Finland

2021 - 2022

Semester abroad.

Subjects : Introduction to Machine Learning and Artificial Intelligence, Project in Data Science.

Université de Bordeaux, France

2019 - 2022

Bachelor.

Master's Degree in Statistical Engineering and Computer Science.

SKILLS

Languages	French (Native), English (B2, TOEFL 610 pts), Spanish (B1, DELE), Russian (Native)
Programming Languages	Python (numpy, pandas, scikit-learn, pytorch), R, C, SQL
Software and Tools	Git, FSL, SPM, ANTs

COMMUNICATIONS

Set-up of a functional MRI protocol at 11.7 T with cryoprobe in mice	<i>SFRMBM 2025, France</i>
Reliability of cerebellar volumetry : a test / re-test study	<i>Cerebellum GRC 2025</i>

GRANTS AND AWARDS

CEA thesis contract awarded	<i>2024-2027</i>
Fellowship 'Passeport de Formation', PROPSY-EDU	<i>2025-2026</i>