MARAIS, Anne-Lise

https://annelisemarais.github.io https://github.com/annelisemarais

Programming | Developmental neuroscience | Brain imaging

EDUCATION

2023-2020	COMETE laboratory (UMR-S 1075 – INSERM), University of Caen Normandy	PhD candidate in psychology, supervised by Dr. Nadège Roche-Labarbe (associate professor in psychology). *Neurofunctional exploration in high resolution electroencephalography and near infrared spectroscopy of the development of sensory prediction*.
2020-2019	University of Caen Normandy	Master in developmental cognitive psychology, with honors Psychologist title (License number: 149312472).
2018-2016	University of Caen Normandy	Bachelor in psychology, with honors

SKILLS

Brain imaging	**EEG**: Setting, recording, preprocessing (homemade Matlab code), data analysis **fNIRS**: Setting, recording, preprocessing (Homer 3), data analysis
Programing	**Python**: data management, signal processing (PCA, evoked potentials…), statistics (classical statistics, multiple linear regression… with scikit-learn, scipy and statsmodels), figures (matplotlib, seaborn…) **Matlab**: EEG and fNIRS signal preprocessing **HTML**
Language	French (native), English (fluent), Spanish (notion), Korean (learning)

EXPERIENCES

2023 –

Oral presentation, *Evoked brain responses to prediction in typical and atypical children from 2 to 4 years of age*, SPNC, Caen, France

Poster, *Somatosensory prediction from birth to four years old in typical and atypical children*, OHBM, Montréal, Canada

Fundraising for collaborative and ecological garden (34,005€), to promote well-being and ecology on the campus. I wrote the project in collaboration with two PhD candidates, and I was auditioned twice to defend it.

2022-2021 –

Teaching, Developmental psychology, Bachelor degree, Caen, France (128h)

Poster, *Somatosensory prediction in preschool children: a preliminary ERP study*, OHBM, Glasgow, UK

Poster, *Simultaneous EEG-fNIRS to explore somatosensory prediction in the premature neonate brain*, fNIRS 2022, Boston MA

2022-2019 –

Psychologist. I worked in three different places: three months with adolescents (10-18 years old) with sensory deficits (deafness, blindness or both); three months with adolescents (10-20 years old) with epilepsy and intellectual disability; and almost a year with toddlers (3-6 years old) with autism spectrum disorders and/or intellectual disability. I also supervised two psychologists for two years, helping them with difficult decisions in diagnosis.