

Jules GOMEL

ABOUT ME

Highly interested in neuroergonomics, brain-computer interface and neuroengineering after two very fulfilling experiences.

Currently working hard to kickstart a Ph.D journey in 2024, that will focus on EEG signals and Brain-Computer Interface.

Highly motivated to deepen my knowledge and my skills in these fields and be a part of the world of research.

PROFESSIONAL EXPERIENCE

MARCH - AUGUST 2023

Drexel University (PA, USA)

Research technician

Realized a benchmark of generative models for motion artifacts removal on functional near-infrared data using machine learning and deep learning. Directed by Dr Hasan Ayaz.

FEBRUARY - JULY 2022

Toulouse NeuroImaging Center (FR)

Engineer intern

Fully developed a computer app powered by MatLab for inertial measurement units data processing to be used by therapists for upper-limb movement tracking. Directed by Dr David GASQ.

EDUCATION

2021 - 2024 **Signal processing and Neuroengineering**

MASTER OF SCIENCE
ISAE-Supaero, Toulouse,
FRANCE

2020 - 2021 **Mathematics, Physics and Engineering science**

BACHELOR OF SCIENCE
ISAE-Supaero, Toulouse,
FRANCE

2018 - 2020 **Preparatory classes**
High School Chateaubriand,
Rennes, FRANCE

TECHNICAL SKILLS

CODING Fluent in MatLab and Python, curious to other languages

DEEP LEARNING Neural networks, convolution, generative models

SIGNAL PROCESSING Estimation and filtering, applied to physiological data

EXPERIMENTS Protocol and experimental skills

SOFT SKILLS

Discipline

Determination

Passion

Empathy

Conflict Management

LANGUAGES

FRENCH Native speaker

ENGLISH Professional skill

GERMAN Basics

EXTRA CURRICULAR ACTIVITIES

2022 **Quality Manager for a sport event**
RAID ISAE

2021 **Organized an air meeting**
AirExpo

2020 **Community manager and article writing**
Croix-Rouge Française

HOBBIES

READING Litterature, Philosophy and Fiction

SPORTS Running, Badminton, Swimming

TEACHING Private maths lessons