



SYLVAIN ESTEBE

📍 DENMARK, 8000, DENMARK 📞 +33676316809

◦ DETAILS ◦

Denmark, 8000

Denmark

+33676316809

sylvain.estebe@gmail.com

Nationality

French

◦ IT SKILLS ◦

Git

Python

PyMC

Scikit-learn

Jax

Spacy

◦ LANGUAGES ◦

English

French

◦ LINKS ◦

[LinkedIn](#)

[Github](#)

◦ HOBBIES ◦

Running, Hiking, Photography,
Climbing, Lindy Hop, Crossfit,
Music



EDUCATION

Master's degree - Cognitive science, Aarhus University, Aarhus - Denmark

September 2023 — June 2025

Grade (ECTS Scale): B

Bachelor - Mathematics and Computer Science applied to Humanities and Social Sciences, University of Lorraine, Nancy - France

February 2020 — February 2023

Grade (ECTS Scale): B

Diploma of access to university studies - Option: Sciences, University of Montpellier, Montpellier - France

February 2019 — February 2020

Graduated with mention good



WORK EXPERIENCE

Research Intern at Département d'Etudes Cognitives (DEC) at Ecole normale supérieure (ENS), Paris - France

December 2024 — April 2025

Subject: The Cultural Evolution of Love in French Literature (1500–1950)

Supervisor: Nicolas Baumard, Professor of Social Science at CNRS - Evolution & Social Cognition (ESC) - ENS

- Computational analyses of large-scale literary corpora to quantify and visualize the cultural evolution of love in French literature from the 16th to the mid-20th century.
- Applied Natural Language Processing (NLP) methods, including Retrieval-Augmented Generation (RAG) techniques, Bag-of-Words analysis.

Data Science at Norlys, Aarhus - Denmark

June 2024 — June 2025

Supervisor: Mads Jensen

- Unsupervised learning techniques, such as clustering, are used to analyze patterns and extract actionable insights in high-dimensional datasets.
- Churn prediction

Research Intern at University of Oslo, Oslo - Norway

September 2023 — June 2024

Subject: Cognitive and Physical Effort in Pianist Performance

Supervisor: Laura Bishop, Researcher in Psychology and Musicology

- Installed and calibrated experimental setup combining motion capture, mobile eye-tracking, and EMG technologies to measure cognitive and physical effort in pianists.

- Analyzed multimodal data, integrating motion capture and pupillometry to explore the interplay between physical and cognitive load during musical performance.
- Reviewed relevant literature on cognitive and physical effort in music performance

Research Intern at University of Oslo, Oslo - Norway

May 2022 — July 2022

Subject: *Collection and Analysis of Eye-Tracking Data to Measure Emotions Induced by Music Listening*

Supervisor: Bruno Laeng, Professor of Cognitive Neuropsychology

- Designed and implemented experiments to investigate the relationship between music listening and emotional responses using eye-tracking.
- Performed data analysis on pupillometric data to identify patterns linked to emotional states and cognitive effort.
- Conducted an literature review on the intersection of music, emotions, and physiological measures.

Music Producer, France

January 2010 — December 2021

- Collaborated with artists and sound engineers to translate their artistic vision into music.
- Composed and produced multiple chart-topping singles

👥 SUMMER SCHOOL & CONFERENCE

Neuro AI at Neuromatch

April 2023 — August 2023

Deep Learning at Neuromatch

May 2022 — July 2022

Computational Psychiatry at Translational Neuromodeling Unit, Zurich

Theoretical Modeling Workshop at Radboud University, Radboud

Virtual Hackathon: Mental Health and AI – Intervention at MEXA, Remote

January 2025 — January 2025

Hackathon at InCommodities A/S, Aarhus

March 2025 — March 2025

🔊 REFERENCES

- References available upon request

🌱 EXTRA-CURRICULAR ACTIVITIES

Translator at Cognijunior, Nancy

September 2020 — September 2022

- French translation of the neuroscience teaching kit for young audiences.

Scripte at Youtuber, France

★ ACHIEVEMENT

Gold and platine record

January 2025

4 Awarded multiple gold (4 * 50,000 sales) and 1 platinum records (100,000 sales) as a composer.