

PROFILE

MSc student working on self-supervised learning and neural decoding, with a strong interest in applying deep learning to understand brain signals. Multilingual (German, Spanish, English) from growing up in Latin America. Outside research I play tennis, spend time outdoors, and build practical, well-designed software.

Education

ETH Zurich & UZH

MSc. Neural Systems and Computation

— Thesis: Scaling Laws for Clinical Brain Decoding Models

2024 – 2026

Zurich, Switzerland

Osnabrück University

BSc. Cognitive Science

— Thesis: Compressing EEG Data with Neural Networks

2019 – 2023

Osnabrück, Germany

Deutsche Schule A.v.H.

Abitur

2007 – 2019

Mexico City, Mexico

Experience

Browser Use (YC25)

Creative Thinking Intern

Jul 2025 – Oct 2025

San Francisco, USA

Built and shipped prototypes for many different use cases using browsing agents.

EPFL — Prof. Courtine Lab (.NeuroRestore / ONWARD)

Research Intern

Jun 2023 – Oct 2023

Lausanne, Switzerland

Worked on using self-supervised learning with Electrocorticography (ECoG) data from brain implants to improve neural decoding and walking in patients with spinal cord injury.

Charité Berlin — Computational Neurology

Research Intern

Nov 2023 – Jan 2024

Berlin, Germany

Worked on using self-supervised learning for patient monitoring, optimizing representations for clinical triage and seizure-pattern detection.

Publications & Preprints

Interests

- Neurotechnology and neurorehabilitation
- Foundation models for neural data
- Self-supervised / representation learning
- Compression

Service & Awards

Reviewer for *Biomedical Signal Processing and Control* (Elsevier), 2024.

Google (Keras) Community Prize Winner — December 2022.