Internship Opportunity: Machine Learning for Brain Data
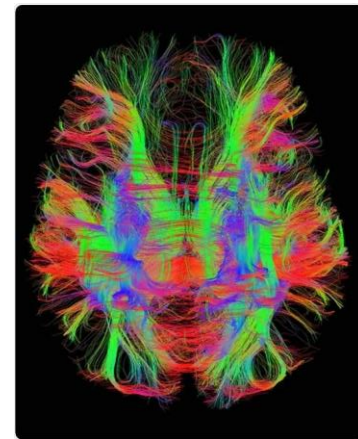

Link to the Google Form

Are you passionate about robotics and artificial intelligence? Are you looking to apply your knowledge in a hands-on, cutting-edge research project? We are seeking a dedicated and talented intern to join our team and assist with our project on machine learning (RL) in neuroscience, specifically focusing on brain data (EEG, fMRI, DTI, and rs-fMRI).
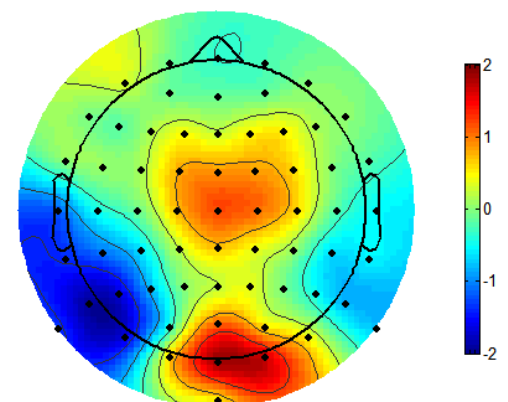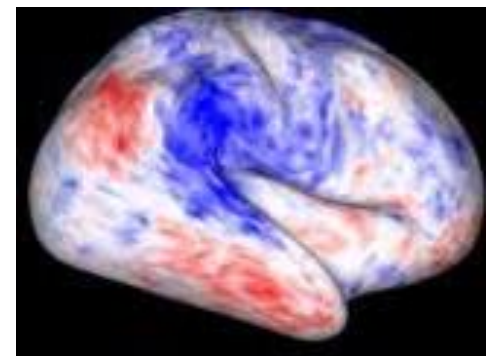
RESPONSIBILITIES:

- Assist in developing and testing ML algorithms.
- Collaborate with our team to design, record, and analyze data.
- Document research findings and present results to the team.

QUALIFICATIONS:

- Currently enrolled in a Bachelor's, Master's, program in Biomedical Engineering, Computer Science, Electrical Engineering, or a related field.
- Strong understanding of machine learning concepts (DNN, GNN, Transformer) and algorithms.
- Familiarity with brain data and machine learning frameworks (e.g., TensorFlow, PyTorch).
- Excellent problem-solving skills and a strong analytical mindset.
- Ability to commit to at least two semesters

MAJID ABBASI SISARA
3rd year PhD student
As part of the Department of Biokinesiology with Prof. Valero-Cuevas, I work in the Valero Lab. My research focuses on analyzing brain-body data such as EEG, EMG, and MRIs in order to identify types of traumatic brain injury (TBI). I also use hand dexterity testing to check structural and functional connections related to hand dexterity.

https://valerolab.org/