

I have graduated at the Instituto Superior Técnico, Universidade Técnica de Lisboa, Portugal with Master of Sciences in Biomedical Engineering in 2010. During the master degree I have acquired knowledge from various fields from electronics, to management, programming and medical sciences.

My interest in neurosciences begin during my master thesis, when I did a project on neuromarketing, and understanding the pathways, cortical regions, source localization and frequency patterns using electroencephalography (EEG) during the visualization of advertisements.

From 2011 to 2013, I accepted a fellowship in a research project in the field of neuroscience, where I treated data acquired with eye tracking and EEG, using MATLAB, and EEGLAB toolbox and E-prime for paradigm building. The purpose of this research was to find neurophysiological markers of reading processing. During this time I have done various workshops in the field about eye-tracking, ERPs and MatLab. During this time I have also was able to work with patients with brain disorders like epilepsy, and some forms of alexia.

The opportunity to study and work abroad in a field related to EEG, or other imaging techniques is what motivates me the most. So this PhD on the Moving Beyond project seems a great opportunity to learn from a competitive scientific environment, and to expand my knowledge on Parkinson Disease (PD).

With this PhD I aim to study perturbations on the gait (e.g. Freezing of Gait) of PD patients using EEG and virtual environments paradigms.