I pursued both the bachelor's and the master's degree in Biomedical Engineering at Politecnico di Milano, where I graduated in July 2012.

During my scholastic career I focused on signal analysis and neuro-rehabilitation and I carried out my bachelor's thesis on quantitative functional evaluation of childhood dystonia, participating in a project developed with the Neurological Institute C. Besta (Milan).

For my master's degree I did an experimental thesis in the field of pediatric disorder assessment and neuro-rehabilitation, carried out in collaboration with NearLab (Politecnico di Milano) and SangerLab (University of Southern California, Professor Terence Sanger). The project concerned the motor behavior in childhood dystonia and the effects of an EMG-based vibration biofeedback on motor strategies for a possible rehabilitation application. Within this project I had the chance to deepen my knowledge in neurology and motor disorders, interacting both with engineers and clinicians. After my graduation I worked for some months as a research collaborator at NearLab, where I continued the project developed within my master's thesis.