Sports Biomechanical Analysis

When it comes to improve your technics in any sport, one of the most relevant and important factors is how close are your movements to the theoretical perfect movement. Biomechanical analysis helps us to parametrize ones' movements and compare them to a role model to understand when our flaws are and identify improvement areas.

The aim of this project is to develop an automatic biomechanical analysis solution applied to padel that by recording yourself when practicing is able to examine your movements in real time and show you where you need to improve.

The candidate will work very closely to experts in the field of padel and computer vision to develop and implement the algorithm that will be used by a professional padel academy.