

Utilizing the OpenCV Machine Learning Library to Remove Commercials from the Streaming Experience

Commercials are intrinsic to a user's streaming experience, though they can quickly grow to be tiresome. Using an open source machine learning library called as OpenCV, I have created an application that detects when a viewed primary broadcast transitions its state between its content (in this case an NFL football game) and its commercials. The application accordingly changes the user's view to a secondary video instead and stays showing that secondary video until the primary broadcast's set of commercials ends, at which time the application will suspend the secondary video and resume showing the primary. This process will cycle as long as the primary broadcast continues, effectively minimizing the impact of commercials on the user experience.

Demo Link: <https://www.youtube.com/watch?v=VgXMOo9e74I>