

Computer Vision Final Project Capstone: TikTok Video Edit Generator

My capstone was a more extensive final project for Computer Vision. In our paper, we explain the workings and result of our capstone project "TikTok Video Edit Generator." Providing a song and a video, either pre-recorded or through the webcam, a convolutional neural network classifies the genre of the song and extracts appropriate features of the song determined by this classification. Using these features, we create edits to the video in theme with the genre and in time with musical features of the song. This project streamlines the editing process and outputs a ready-to-post TikTok music video.