

Question on computer vision for web environment

jeongjoonsup

Jul 11

Hello. I have a question about cv for web environment.
When implementing web application how to use computer vision library?

Opencv does not support javascript and few libraries concerning computer vision and machine learning support for JavaScript.

I guess there are 2 choices for implementing web application. The first one is to use Library which support for JavaScript. The second one is to use opencv and other popular computer vision libraries on server side using Python or C++.

If I want to make web application which choice is suitable?

dave.snowdon

Jul 11

I guess it depends on what you need to do in your web application.

Have you looked at tracking.js <https://trackingjs.com/> ?

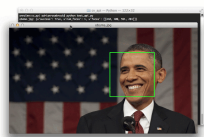
If that does not do what you want you'll probably need to do the processing on the server side - you could use a python-based framework such as flask in order to be able to make use of the opencv python bindings.

Adrian Chief PyImageSearcher

Jul 12

Like @dave.snowdon said, there are a few JavaScript-based computer vision libraries, the primary one being tracking.js.

Otherwise, you essentially need to write a simple web-based API for your computer vision app using some web framework. Django and Flask are good choices. I detail how to build such a web API using Django here:



Creating a face detection API with Python and OpenCV (in just 5 minutes) - PyImageSearch

This tutorial details how to create your own face detection API using Python, OpenCV, and Django. You can detect faces in the cloud with this simple API.

jeongjoonsup**Jul 12**

@dave.snowdon Thank you for answering. I am sure it helps me. 😊

jeongjoonsup**Jul 12**

@Adrian Thank you for your recommendation. Actually I am working embedded environment, so I have no experience on web development. The tutorial what you provide me will be a nice starting point for me. 😊

ThamNgapWei**Jul 13**

If you already familiar with c++(not c with classes), you can give **wt** a try, since it is a c++ web app library, you can mix the opencv with it at ease. If you are familiar with c++ and Qt, you will find wt is very friendly to use.

jeongjoonsup**Jul 13**

@ThamNgapWei Thank you for giving me a good option. It helps me to make a choice building web application. 😊