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I fixed a couple of bugs in my web code this week. In the software version of my script, it prints out the gesture detected. However, when no face is detected, it simply doesn’t do anything. When the gesture classification script is wrapped in a function, it requires an output. So, when no face is detected in the classification script, the web page would show server error. I made my code return neutral when no face is detected.

After that, my program has not bugged out. I added some javascript code to overlay the detected gesture on the screen. However, it doesn’t erase the overlay right now. I also printed out the detected gesture in my server command line to check its output.

Speed is a concern for me. Initially, every classification takes around 4 seconds. That was because I tried to isolate my detection code into different parts and used return to end early to find the slow components. initially , I suspected that the issue was that the initialization part of the knn classifier was called every image. However, that wasn’t the issue. My code takes around 1 to 2 seconds every classification now, which is much slower than running locally. I suspect that it was taking 4 seconds earlier because of some background processes running. The image loading is taking around 1 second every time image. Evan doesn’t seem to have the same issue. I tried his web demo and it worked fine. I messaged him about the issue.

