

Daily Log

Monday September 30

Tried running some commands found in the Google Cloud API website such as "gcloud auth init" to try and resolve authentication issue, as I found something about this online, and thought it could be the key to solving my issue.

Achieved no success with these command line commands.

Tuesday October 1

Talked to Mr. White about my path for debugging - he agreed that I was taking the best possible course of action, and that if I don't solve the problem here, I should post on StackOverflow or some other type of forum.

Did some searching on Github forums and Google Cloud forums, and finally found my issue: I was using forward slashes in my path expression, which is what Windows gives, but I needed to use backslashes

Implemented correct way to identify credentials using backslashes as opposed to forward slashes - this worked! No more credential authentication issue.

Thursday October 3

Finalized logo detection python code to be able to detect logos, using guidance from Google Cloud Vision documentation

Tested working logo detection code on various logos - quite successful, will show Mr. White demo.

Begin searching shape detection libraries

Timeline

| Date | Goal | Met |
|----------|--|--|
| 9/19/19 | Successfully set up Google Cloud Vision API to be able to successfully identify food products by logo | Yes; Cloud Vision was successfully set up on my computer and I am now able to use it for reliable food logo detection. |
| 9/26/19 | Finalize Cloud Vision to be able to identify major logos and begin implementation of barcode API | Yes; Both Cloud Vision and barcode API successfully implemented. |
| 10/3/19 | Work with Mr. White to try and crack credential issues and be able to finalize Cloud Vision API | Yes; Cloud Vision API credential issue solved and Cloud Vision API finalized |
| 10/10/19 | Decide on a shape recognition library and implement it to be able to perform basic shape recognition | |
| 10/17/19 | Perform more advanced shape recognition and begin linking logo detection, barcode detection, and shape detection API's | |

Reflection

This week was very good, because I was finally able to get that pesky Google Application credential issue solved. This issue has been with me for a couple weeks, so it was satisfying to see it resolved, and the results that came out of it were quite impressive, as the system was able to identify a good number of logos. I will be working on shape detection in the coming weeks, and linking my now working logo detection with barcode detection and in the future shape detection. Hopefully, shape detection is a more straightforward process than logo detection setup-wise.