My secret weapon for detecting objects in images (from faces, to license plates, to beer bottles)

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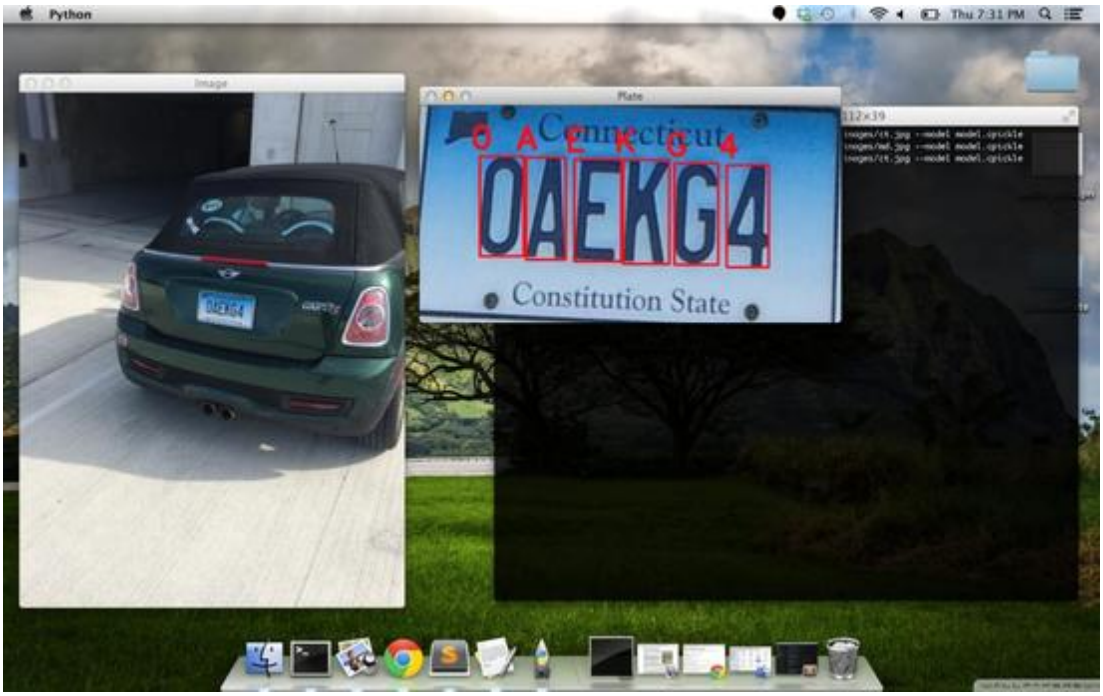
Hi,

If you've been paying attention to my Twitter account lately, you've probably seen a few teasers of what I've been working on -- a Python framework to rapidly construct object detectors.



From faces, to **license plates**, to **beer bottles** -- this **6 Step framework** can be utilized to detect and recognize objects in images with ease.

The reason I started working on this framework is because I really can't stand the Haar cascade classifiers provided by OpenCV (i.e. the Viola-Jones detectors). While cascade methods are extremely fast, they leave much to be desired, especially regarding training time and false-positive detections.

There is also the problem that the Viola-Jones detectors ***are nearing 15 years old***. If this detector were a nice bottle of Cabernet Sauvignon, I might be pretty stoked right

now. But the field has advanced substantially since then.

And after reading this post, you'll have a good high-level grasp on the steps required to build your own custom object detectors.

Ready? **Let's get started.**

Adrian Rosebrock
Chief PyImageSearcher
