I am a self-driven student of computer vision and machine learning living near Toronto. On the side of university, I have taught myself OpenCV and have completed a Stanford university class on machine learning. I graduate university in May and will focus full-time on working with computer vision and machine learning. I’m available for hire or for a short unpaid project. Previously I worked at IBM and Google’s Summer of Code. Also I’m a radical optimist, believing that almost anything can be done.

This algorithm “groups” nearby darkish pixels by a minimum distance. The image region of each group can be accessed programmatically. Square contours only due to a split and merge implementation. A better approach to this algorithm would be based on region growing. Or just use the OpenCV function findContours.

http://docs.opencv.org/modules/imgproc/doc/structural\_analysis\_and\_shape\_descriptors.html?highlight=findcontours#findcontours