Computer Vision HW#7

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**Task Description**

Write a program to generate thinned image.

**Language & Tool**

* Python + Numpy
* OpenCV (for reading image only)

**Work Flow & Results**

After loading the image, we first binarize and downsample it to a 64 by 64 2D array containing foreground and background pixel. I implement the thinning operator by (1) first thresholding at 128 and (2) using 4 connectivity neighbor.

We follow the procedures according to the course material and the details of each step is **clearly commented in the source code**, please check.

The resulting thinned image is as follows:



To reproduce the result, execute the following command:

>> python ./main.py