Template Matching Quiz

Results

4 of 4 questions answered correctly

Your time: 00:06:07

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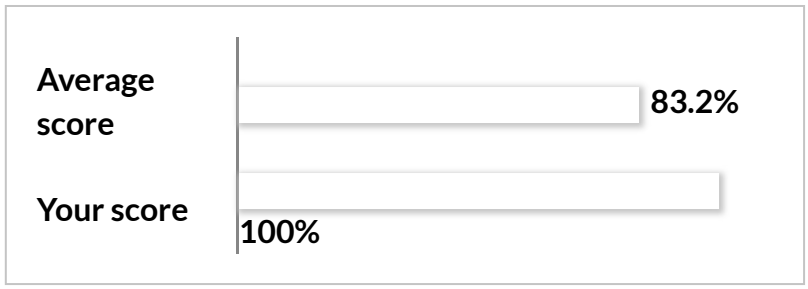
You have reached 4 of 4 points, (100%)



Click Here to Continue (https://gurus.pyimagesearch.com/topic/template-matching/?quiz_type=lesson&quiz_redirect=1&lesson_id=2845&quiz_id=3564)

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1. Question

In the context of template matching, the *template image* is:

- ◉ **The “object” we are trying to find in new images.**
- ○ Our dataset of images used to train our template matcher.
- ○ The image containing the “object we want to find”.

Correct

2. Question

Therefore, our *source image* is:

- ○ Our dataset of images used to train our template matcher.
- ○ The “object” we are trying to find in new images.
- ◉ **The image containing the “object we want to find”.**

Correct

Feedback

3. Question

The *primary* limitation of template matching is:

- ○ It operates on the raw pixel intensities of images.
- ○ It’s hard to implement.
- ○ It’s an extremely slow algorithm.
- ◉ **It only works for templates that have corresponding identical (or near identical) patches in the source image.**

Correct

4. Question

Download the following template (http://pyimg.co/w1acu (http://pyimg.co/w1acu)) and source (http://pyimg.co/2g3p4 (http://pyimg.co/2g3p4)) images. Apply template matching using correlation coefficient method. What are (approximately) the (*x*, *y*)-coordinates of the matched template in the source image?

- (2016, 1011)
- **(291, 1680)**
- (2019, 1004)
- (501, 111)

Correct

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- Setting up your own Python + OpenCV environment (https://gurus.pyimagesearch.com/setting-up-your-python-opencv-development-environment/)
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