CSE 5524   Computer Vision for HCI   AU'19

Homework Assignment #7
Due: Monday 10/21

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1) There's an elephant in the room. Can you find it? Search for the template template.png in the search image search.png using color-based NCC (make sure the standard deviation is "unbiased" with N-1). Assume the origin is in the <u>center</u> of the template image for each approach (Note: there should be a border around the search image where the metrics cannot be computed).

   Sort the resulting scores from best to worst. Plot all of the sorted scores and show the patches corresponding to the 1st, 2nd, 5th, 10th, 100th, and 500th closest matches. Compare the results. [3 pts]

2) As usual, turn in and upload your material.