HW4

❖ **Please follow the instructions below.**

✓ Read an image "moon.png" as gray scale image

✓ Perform histogram equalization on the input image
  - Display each image with the window name as "before", "after"

✓ Display each histogram of the input and the result image
  - Set the number of bins to 16
  - Set the matrix size for displaying histogram as width:512, height:512
  - Display each image with the window name as "h1", "h2"

✓ Compute the value of each component of a normalized histogram of the input image; write all values on the input image; and display the result
  - Set the number of bins to 8
  - You can arbitrarily set the font, color, and position of the text (but consecutively)