

**CS4363/5363 Computer Vision**  
**Fall 2022**  
**Haar Features and the Integral Image Trick**

1. Write a function to find the brightest region of a given size in an image.
2. Apply your function to find the brightest region of sizes (30,30), (60,60) and (120,120) in the image provided and find the running time of the sequence of operations.
3. Repeat 1 and 2, but now use the integral image trick.