CST205: Multimedia Design & Programming

Student Names

Midterm Outline

CSUMBy

1. Topic
2. Sources
3. Project progress update

BlurryWurldy

1. Topic
   1. Create a filter that centers a pair of glasses on the image. The image is blurred except for those areas where the glass lenses would be located.
2. Example



1. Sources
   1. Some of the sources we have used for researching the blurring effect are:
      1. <http://www.jhlabs.com/ip/blurring.html>  
         Though this website is focused on the Java language, runs through a series of other possible blurring options (Box Blur, Gaussian Blur, Motion Blur, Spin and Zoom Blur, Faster Motion Blur, Blurring by Fourier Transform, and Threshold Blurs).
      2. <https://mmeysenburg.github.io/image-processing/06-blurring/>  
         Another website providing a more in-depth look at average blur and Gaussian blur.
      3. <https://www.youtube.com/watch?v=8iIPlNNUWfc>  
         This video demonstrates one possible way of blurring an image using JES and python.
2. Project progress update
   1. We have started working on applying the blurring effect to an image. However, at this point, we haven’t been able to achieve the amount of blur we would like to apply to the image. We have also been discussing how we want to handle different image sizes and the placement of the glasses. Do we restrict the size? Can it only be a certain ratio? These are some of the questions that we are working on providing answers to. Graphically, we are also considering changing the color of the glass frames to a color that is going to work with images that are both dark in color and light in color.