CIS 581: Computer Vision
Project 4 Part A
Image Carving and Image Blending
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Task 1: Image Carving and Resizing

Figure 1: Original image (598 x 1188)

Figure 2: Original image with one vertical seam drawn (598 x 1188)

* Vertical seam pixels were given Red value of 255 for visibility. (same for horizontal below)

Figure 3: One vertical seam removed (598 x 1187)

Figure 4: 38 vertical seams removed (598 x 1150)

Figure 5: Original image with one horizontal seam drawn (598 x 1188)

Figure 6: One horizontal seam removed (597 x 1188)

Figure 7: 48 horizontal seams removed (550 x 1188)

Figure 8: One vertical seam and one horizontal seam removed (597 x 1187)

Figure 9: 38 vertical seams and 48 horizontal seams removed (550 x 1150)

Task 2: Gradient Domain Blending

Figure 1: Source image (Harambe)
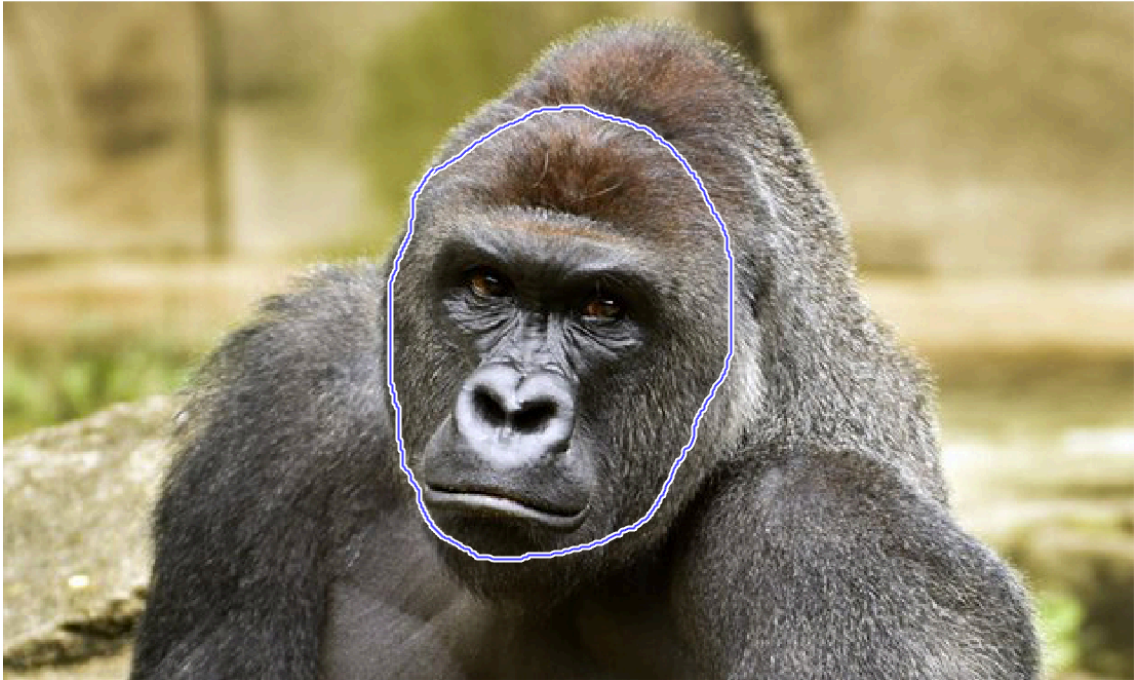

Figure 2: Target image (Mount Rushmore)

Figure 3: Mask selection in source image for blending

Figure 4: Final blending image (Harambe For President!)

* Running demo.m will take a couple of minutes, since the images are big.