

# CSC411 Project#2 Bonus

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## Figures



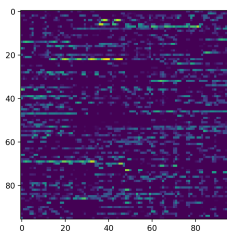
(a) Bracco



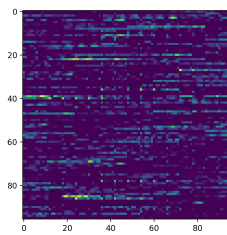
(b) Gilpin



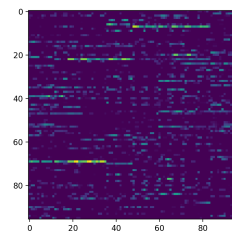
(c) Harmon



(d) Bracco



(e) Gilpin



(f) Harmon

Figure 1



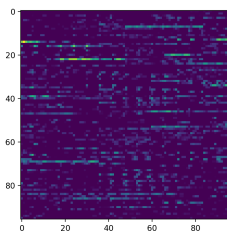
(a) Baldwin



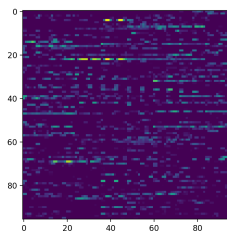
(b) Hader



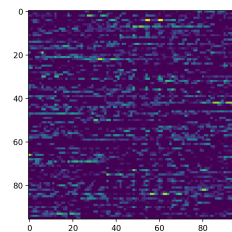
(c) Carell



(d) Baldwin



(e) Hader



(f) Carell

Figure 2



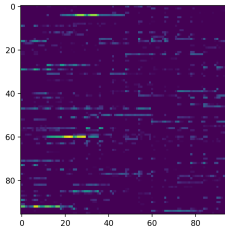
(a) U of T



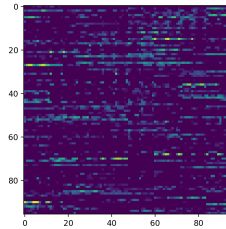
(b) face1



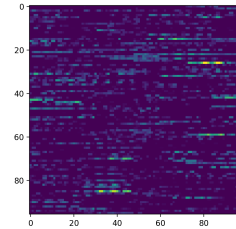
(c) face2



(d) U of T



(e) face1



(f) face2

Figure 3

## Conclusion

We have drawn the pictures for the last layer in AlexNet features, which is MaxPool2d. We can see that all the faces have similar plots during the layer. The lightening pixel locations are very similar.

To compare, we tried to train the algorithm with u of t logo and some fake smiley faces. We can see a huge change in U of T logo's Max Pool layer's plot, while the smiley faces have somewhat similar.