CS696E Progress Update 9

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Problems I’m Working On

- Facial recognition
  - Clustering of unknown faces to detect similar faces across images
  - Recognizing age from faces to determine kids vs. adults in images
- Background extraction

Previously on CS696E….

- Working on background segmentation

Where I’m At Now

- Full background segmentation up and running
  - Using a different pre-trained architecture which provides better results (previously used a UNet-based model, new one is based on DeepLabV3+)
- Tested three class age classification model on LFW dataset
- Worked on Jagath’s code modification requests from our meeting last week
  - Ready to test with Dan

What’s Next?

- Get age classification results from Dan
- Maybe try to get feedback from Dan on face clustering, although there’s not really any comparison measurement I can do
- Possibly try training a segmentation model from scratch with alternate architectures using the same datasets
- Compare binary vs. scene segmentation models