

CS696E Progress Update 1

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Where I'm At Now

- Pre-trained face detector is up and running
 - Uses a MTCNN (Multi-task Cascaded Convolutional Network) model
 - Originally from <https://github.com/polarisZhao/mtcnn-pytorch>



Works pretty well on humans, hobbits, wizards, and elves, but not so much on dwarves

What's Next?

- Train separate model for age recognition from faces
 - Currently looking at two separate face datasets to see which one I might use
 - <https://susanqq.github.io/UTKFace/>
 - <http://chalearnlap.cvc.uab.es/dataset/26/description/>
- Take bounding boxes from face detector, crop out faces using bounding box, then pass them into age recognition model to get age estimations