

## CSC630: Weekly Check-in 2

Near the end of last week, I wasn't sure what I'd do for the rest of the term. After doing more research, talking with Dr. Z in conference, and thinking about it on my own, I've decided that I'll primarily focus on my gaze estimation project, but I'll collaborate with William Yue on his chess bot work so that I can learn more about decision/search trees. To that end, I've thus far evaluated Gaze360, a 3d gaze model, on MPIIFaceGaze, a gaze estimation dataset, to verify that 3d gazes translate to 2d gazes, as they should. This might seem excessive, but when playing around with the model, I found very strange outputs, so I wanted to verify that it works reasonably well in an expected manner. I'm currently working on getting MPIIFaceGaze's source code working, so that I can compare their model with Gaze360.

I've found [the MPIIFaceGaze homepage](#), the [Gaze360 paper](#), and the [Keras documentation](#) to be helpful with my own project, and I've found [this article](#) helpful for understanding Alpha-Beta pruning for the chess bot.

My goals for this week are to finish my Gaze360 evaluation and to write some code for Alpha-Beta pruning, to interact with William Yue's existing chess bot work. Additionally, I'd like to finish my assignments in a more timely manner. I've been bad with keeping up with deadlines; in particular, I still need to finish my black box reflection and submit my gradients project work.

Arnav Bhakta, Ali Yang, William Yue, Nathan Xiong, and Darian Zhang, among other classmates, helped me think about my project topic and narrow down my goals. I also talked with the first three about their chess bot work and decided to work on the tree search with them.