**Friday, January 12th, 2024**

Yesterday, I revised and practiced my presentation. Today, before the presentation, I put a few finishing touches on it and ran through it in my head before it was my turn to present. I also did some research on how I will be implementing the reinforcement learning on the real car. I started with the OpenAI Gym API. An Environment in Gym must define four functions:

1. Step(): Updates the environment, returns observation and reward.
2. Reset(): Resets the environment to some initial state. Returns the observation and reward at that initial state.
3. Render(): Obviously, this is meant for simulations. I can use it to provide debugging output.
4. Close(): Again, this is mostly important for simulations relying on an external executable to run the simulation. In the car, I will use this function to close handles on the camera, LiDAR, and other peripheral devices.

Ryan presented and I wrote feedback for him on a sheet of paper. Since his was the first presentation, the whole thing after Dr. Gabor gave his critique lasted until the end of the period. I will be presenting next class.