AutoDrive Project Weekly Report - March 29th

1. **Fails of the week**
   - The self-driving model on the simulator is not stable enough at speeds above 25 mph to drive straight on the track, so we will have to limit user testing of different speeds to a top speed of 25 mph.

2. **Successes of the week**
   - Recorded simulator videos of the self-driving model driving on two different tracks at three different speeds. ENP will use these videos to conduct user research. Link: https://www.youtube.com/playlist?list=PLNRaPPeJNIBuRmiQsaejQZxbN3hMq_Nla
   - Completed an informal pilot user test to validate that the procedures are reasonable.
   - Recruited a few fellow undergraduates who have agreed to participate in a user test.

3. **Difficulties this week**
   - Choosing which speeds to record simulator videos for was challenging and took some time. We wanted to have a good spacing of speed "levels" to be able to detect differences in user perception in different speeds, while also keeping within a range of having the self-driving model be stable and steady. We think we've reached a good balance by choosing levels of 7 mph, 15 mph, and 23 mph.
   - Crunch time to complete the 12 user tests before April 2.

4. **Goals for next week**
   - Continue hardware/software refinement
   - Complete 12 user tests, analyze results, and start writing report of findings
   - Start thinking about our poster and how we will be organizing it
   - Start planning final demo — what our physical demo will be, what video content we'd like to show, how to ensure a smooth and successful demo