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Design Project 1

Entry Log – Monday 12/10/2018

This weekend for project work was a slow one, as last week and this week were a busy week at home. However, now the schedule is clear from now through the Christmas break, so I hope to knock out a large portion of my project and land in space that will leave me in a comfortable position. Although busy, this weekend I set up the machines I use and played around with OpenCV (currently testing with Python) and TensorFlow, the two tools I plan to mainly utilize for this project. I have not yet tested anything specifically related to the project, but rather was familiarizing myself with both. This week I hope to begin working towards finalizing my planning as well as beginning to work on rough drafts of my beginning code.

My two main goals for this week are as follows:

* Update my project proposal to better represent the goals I have for the project, specifically elaborating on some of the features I talked about (such as games, per Professor Tagen e-mail).
* Begin to work on, and upload to GitHub, the beginning foundation codes that this project will utilize. For now, this means getting live video feed and tracking the user’s hand.

Once I am able to create a code that can accurately track a user’s hand, I will then be able to move forward with the project. That is the basis that this all works from. Throughout this week and weekend, I hope to get a large majority of the work done with this.

What to expect this week from myself:

* An updated and clearer project proposal.
* First source code uploaded to GitHub.
* A finished, or at least more developed plan for the features of my app.
* Further research and testing with TensorFlow so I am ready to move on to that step immediately when I am able to.
* A written-out plan of how my windows application plans to work. This will include sketches of what I plan it to look like, and how it will overall be displayed to the user.

Intermediate plan for the following week:

* Continue with hand tracking code if not complete, and at the latest have this completed by the end of next week.
* Begin work with CNN, continue to read on the subject if I run in to trouble.