

Meeting Minutes

Date: November 7th, 2019

Time: 3:00 PM

Location: Dr. Vajda's Office

Ideas:

1. Perform the Haka
 - a. This requires a lot of specific movements that the robot may not be able to perform. Creating a simplified version of the haka may be a possible implementation.
2. Follow a specific person in view
3. Read a document held to the camera
 - a. Complicated to read small text off of a piece of paper. Suggested that we provide a number in large print on a piece of paper and have the robot read it aloud
4. Use Google's API to gather news, weather, etc.
 - a. Focus on CWU. Pull local weather and news directly from CWU's news website
5. Movements: Walk in a circle, roll over, etc.
6. Evaluate expressions
7. Perform HTTP requests (IMDB, Wikipedia, Dictionary, Recipes)
 - a. Create a natural way to distinguish which websites should be drawn from during the search. (i.e. "I need a recipe")
8. Conversation with Alexa smart speaker
9. Connect to a mobile device
 - a. Android application for some basic commands like short movements or speech
10. NES Rob the Robot
 - a. Recognize a color or image on a screen and respond accordingly.

Questions:

- Is this enough functionality to meet the requirements of the project?
 - This is enough in terms of ideas. Each of these ideas will need to be deepened, but this is a good starting place for our plan of implementation.
- Does anything seem too simple or overly complicated?
 - Only the document for mathematical expressions or small text may be overly difficult. Providing a simple and large character string on a piece of paper would be doable.
- Should we decide something is too complicated, or something new arises that we'd like to implement, can we adjust our plan?
 - Yes. Adjustments are expected to be made. We don't know a lot about the robot and it is expected that we will run into walls or new ideas that require an adjustment to our plan.