

Wizard's Chess Meeting 2
1/29/2020
Minutes

8:30-8:53

- Ben -- Update on website progress
 - Initial proposal and high level design both have been uploaded
- Shae -- Presented basic calculations have been considered with respect to gliders
 - Expect a redesign of the gliders to accommodate new wheels and reduced moment on the rails
- Delany -- Explained timers and electromagnet options
 - As a group debated between two electromagnet options and magnet options for the chess pieces including retainers
 - Order was settled upon and to be ordered following meeting
- Luke -- Motor controls
 - Necessary to build a new motor controller? No.
 - Need to develop more command transfers and a program for stepper motor
 - Code is in C, but need to figure out how to communicate this with the Raspberry Pi
 - Motor requires 2 amps, need to conclude amperage requirement for electromagnet
- Fabio -- Code
 - Split into 3 modules, looking more deeply into AI and voice recognition
 - Include a keypad interface for backup if voice recognition does not work
 - Plans to integrate within a week
 - Suggested including a timer connected to LEDs to time turns

8:53-8:58

- Within the next couple of weeks
 - Work more on getting the mechanics to work smoothly
 - investigate shop access, training, and 3-D printer access