

04MAR20 Minutes
Wizard's Chess

Electromagnet:

The magnet works with a 12V supply, however the MOSFET requires 4 volts and the Raspberry PI will only output 3.3V. We will look into getting a MOSFET that requires a lower turnon voltage.

Code:

The voice tracker and chess AI code are integrated and working well. It also will calculate movements and send them to the motors. The voice recognition needs to be worked on a little bit because it does not perfectly recognize certain words.

Motors:

The motors are coded to both work in conjunction either moving in the same direction or in opposite. Right now we don't have it moving diagonally, however if we do half step grid moves we should be able to move the pieces

Microphone:

Working and will work on python code and integration after break.

CoreXY:

Attempting to finalize the slider drafts and make them work. If they end up not working we will look into order the parts.

Tasks to complete after break:

- Get a new MOSFET with a lower required voltage.
- Improve the Voice Recognition Code.
- Determine if we need to move diagonally.
- Obtain smaller and lighter chess pieces.
- Write python code for the microphone and integrate with voice recognition.