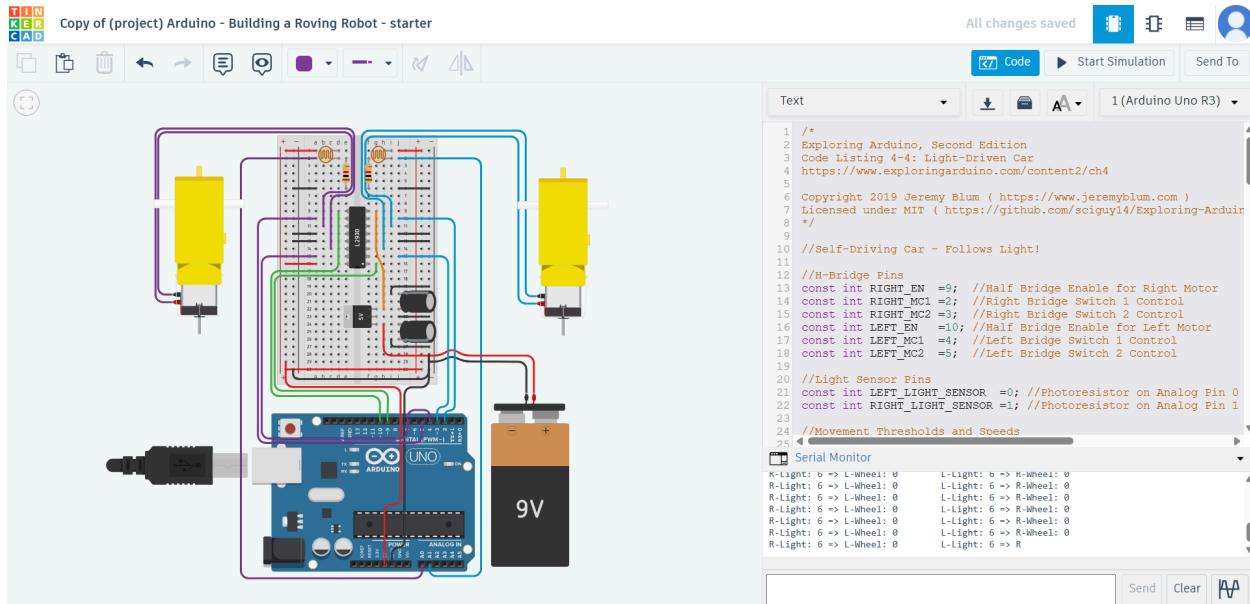
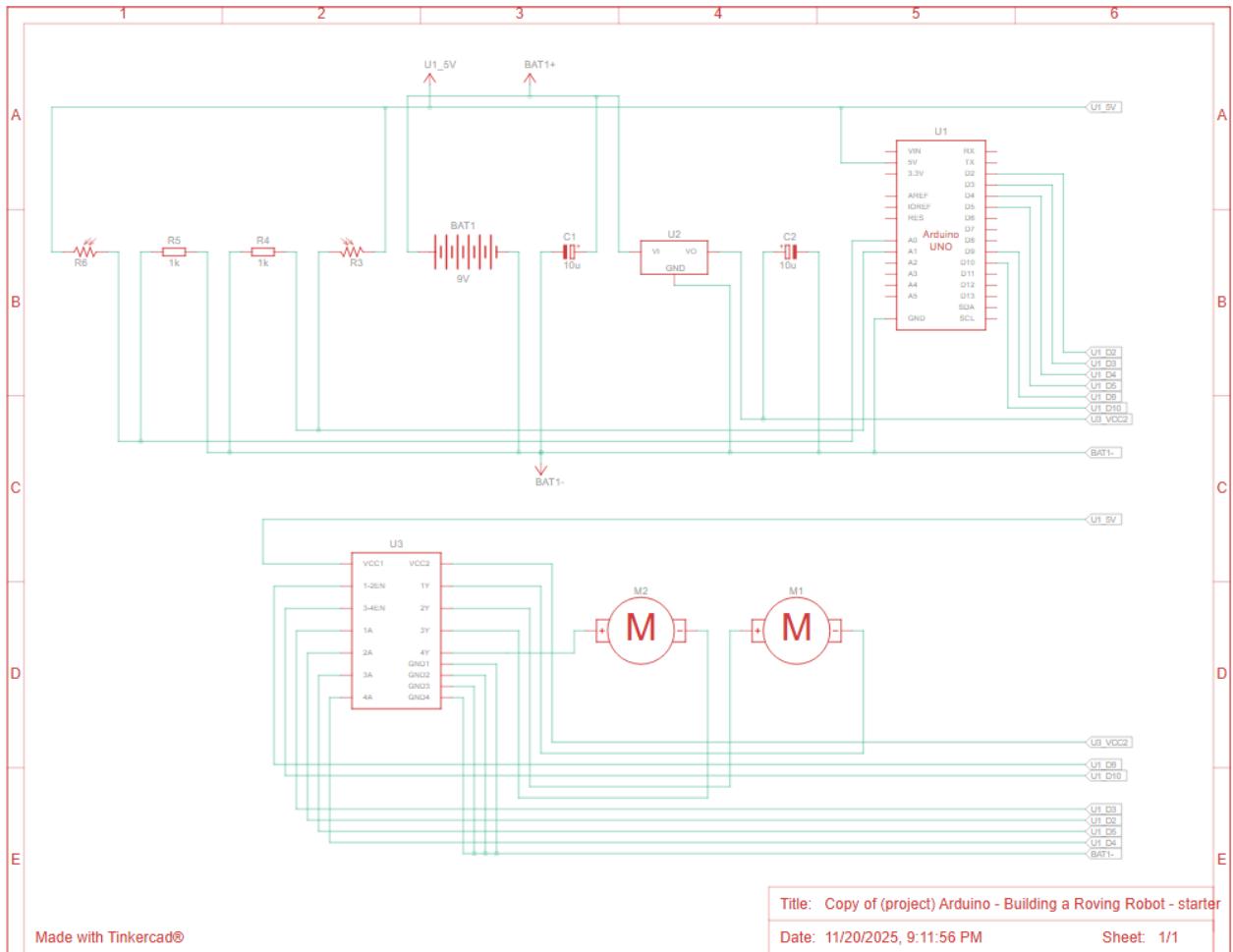


Building a Roving Robot

Tinkercad

To make it work properly, I had to change the min and max light values, as TinkerCad did not even reach the existing minimum of 800, let alone the max of 1100. After making the changes, it worked.

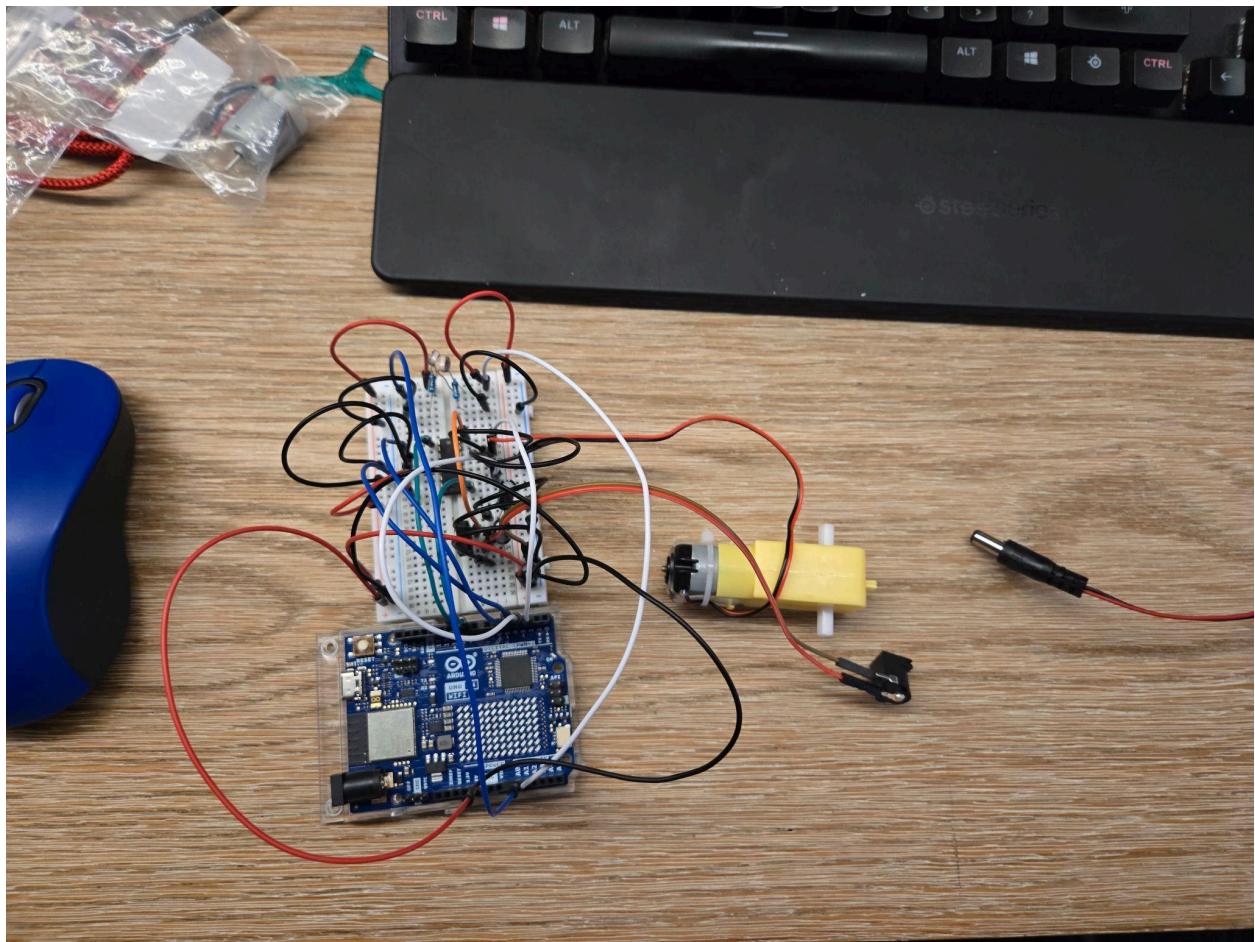


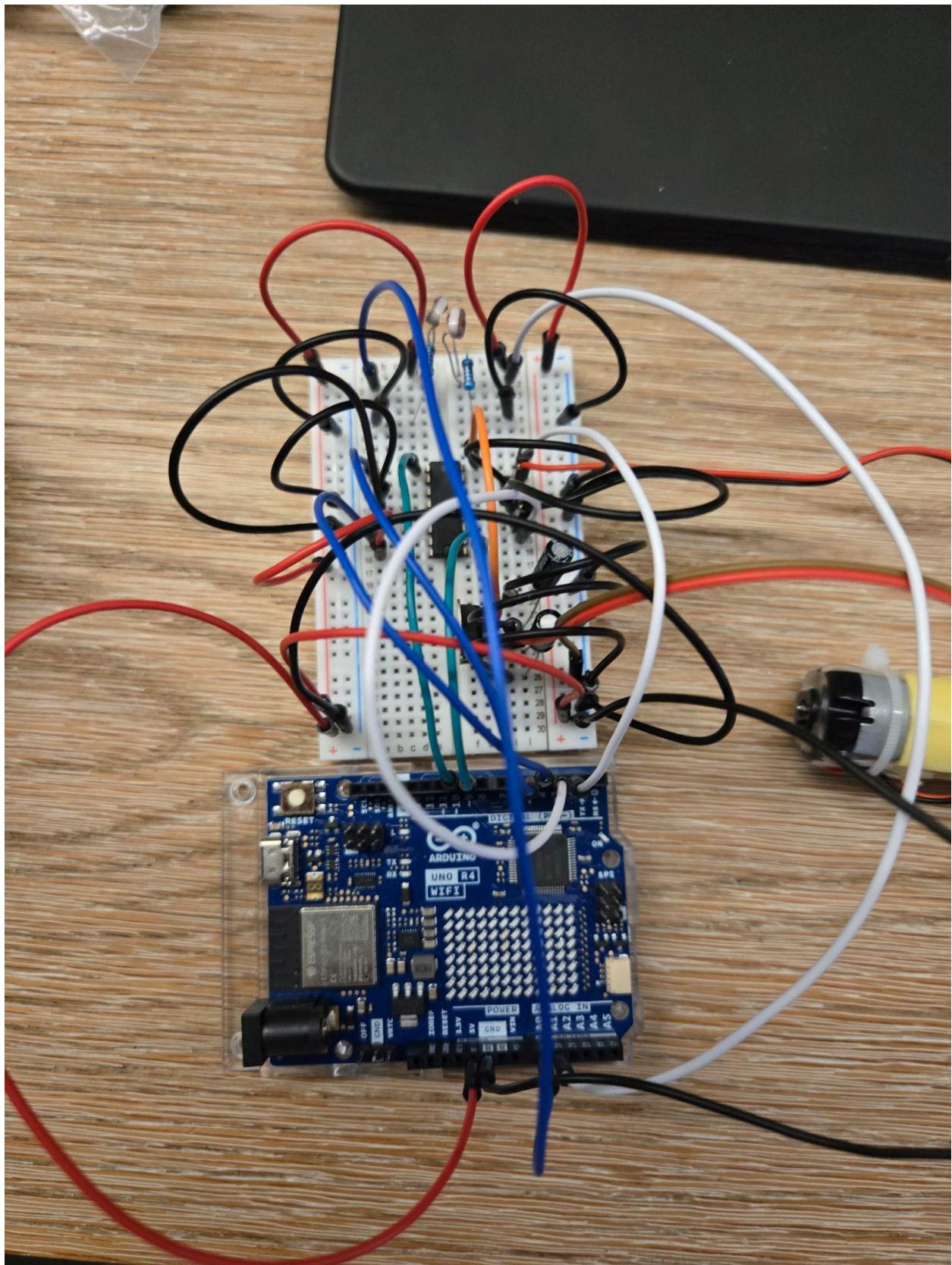


Physical

Testing at Home

I copied the code over from Tinkercad with no changes made. It worked well in testing at home, so I packed up the breadboard to take with me to the Makerspace to make it easy to plug in the motors.





Makerspace

When I got there, all I had to do was plug in the motors and the battery and get it going. It worked fairly well, but no easy way to stop it from just spinning in circles. Some edits I would make are maybe a wall between the two photoresistors, and plugging in the battery into the Arduino and using the Vin pin.

