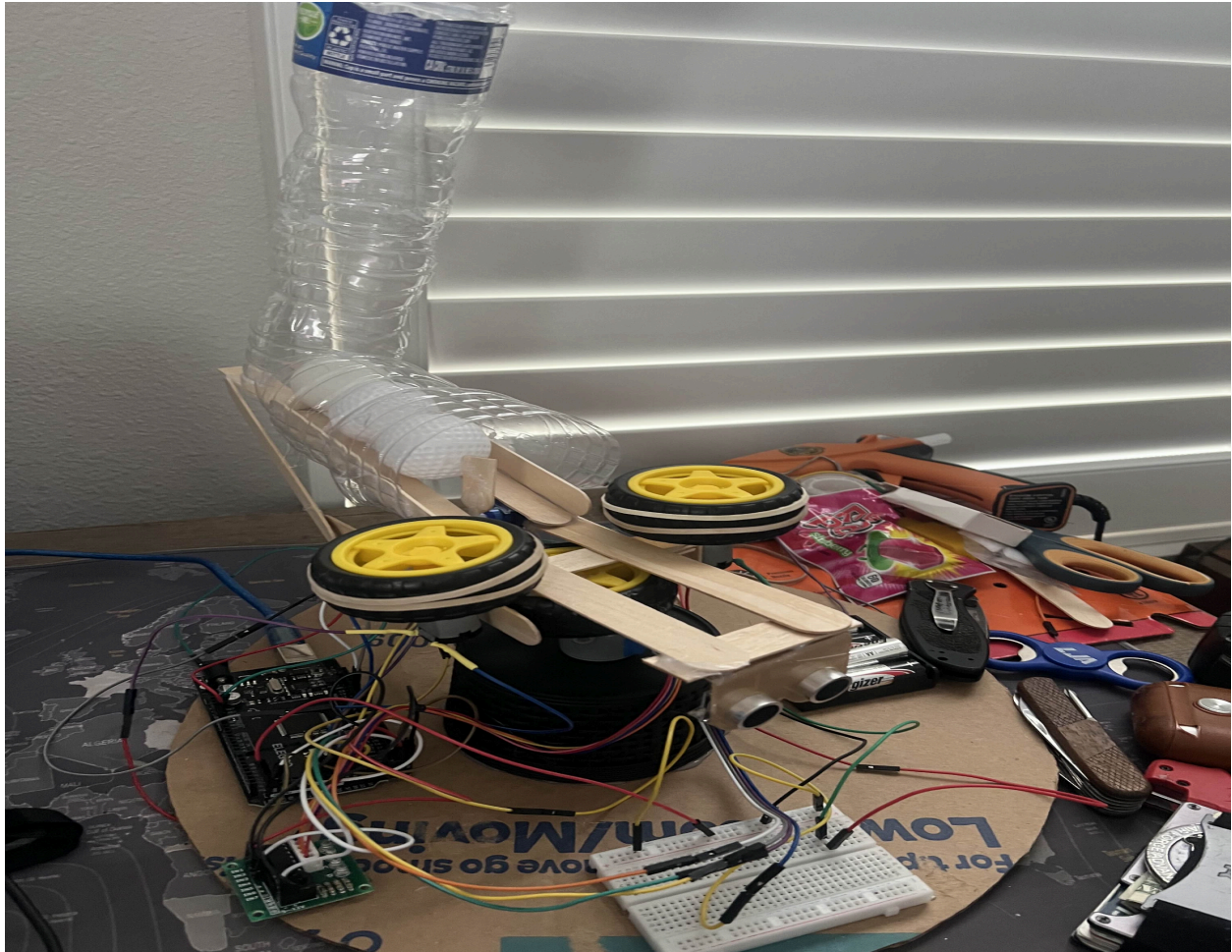
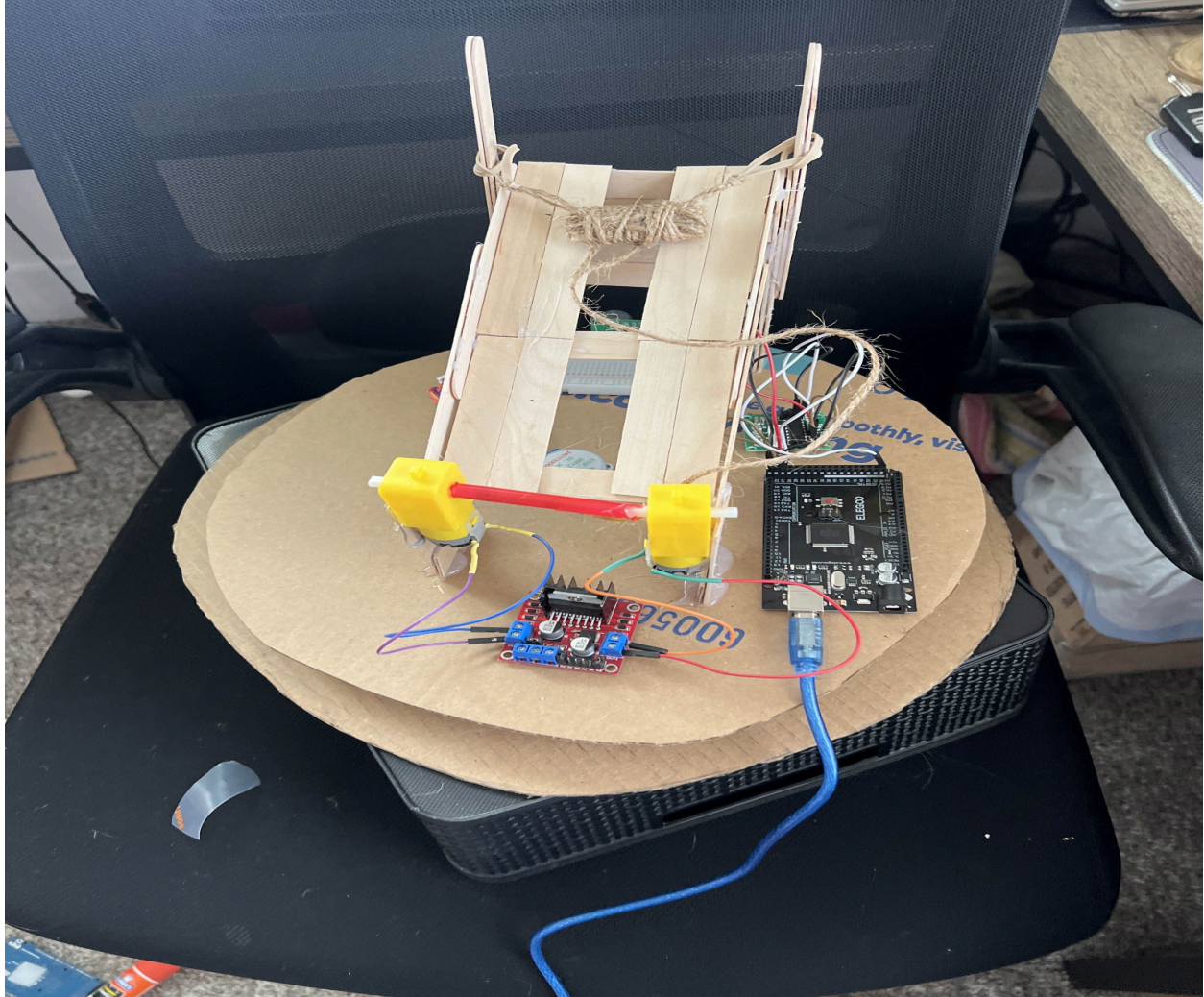


Project poster 2



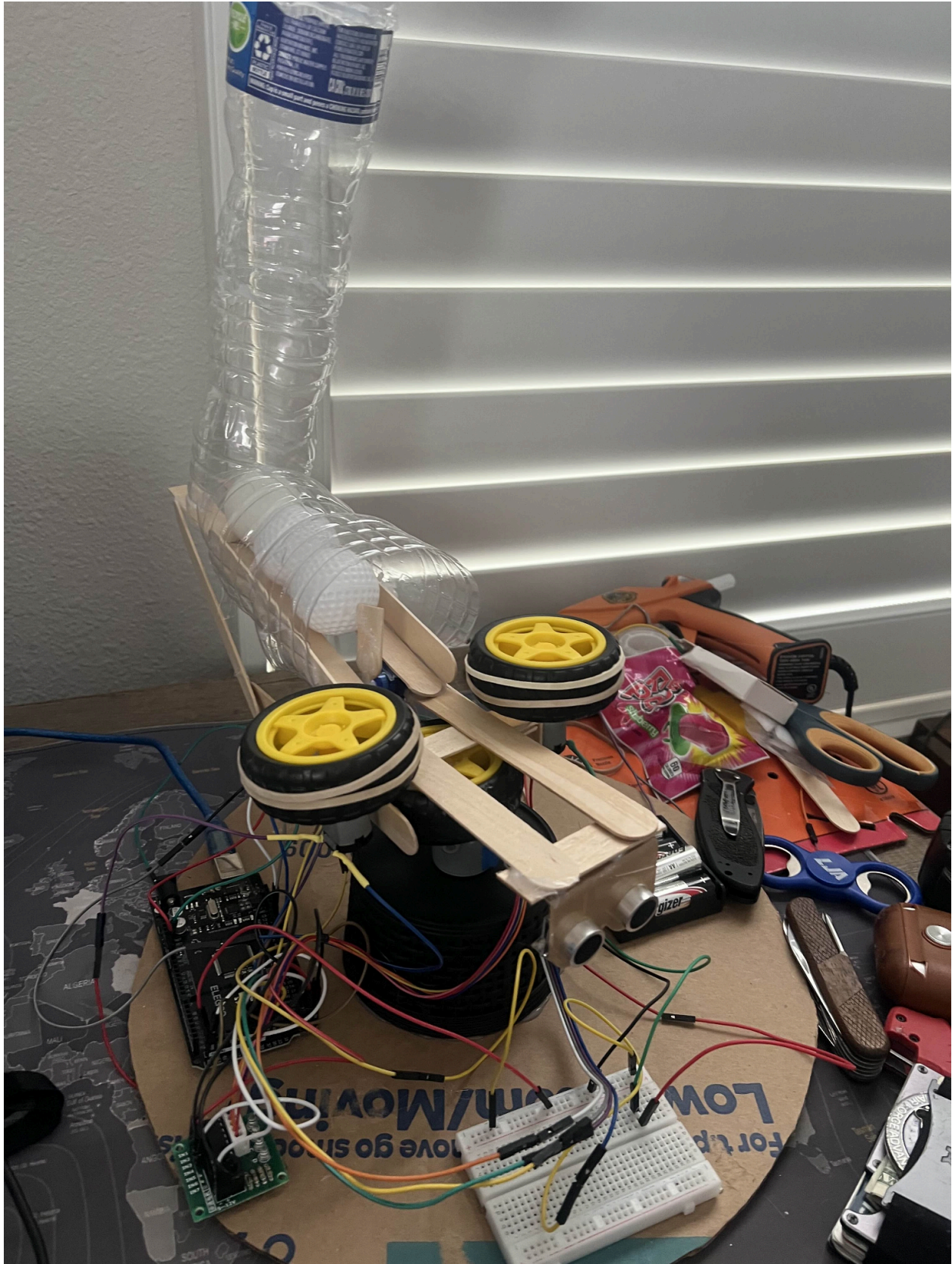
This is the completed front view of the project. As you can see it uses two spinning wheels to launch the ball. Its being rotated by a stepper motor. The sensor is mounted at the front of the launcher to tell it when to launch. You can also see the hopper which is just made out of plastic bottles. You can also see the servo which releases the ball when commanded.



This is one of the iterations that didnt work well enough. It was unable to launch the ball far enough a servo was supposed to catch the rubber bands at the buttom and release it once a ball was in place however the motors were not strong enough to pull down the rubber bands and ended up breaking.



This is a back view of the project with the launcher turned to the right it shows the motor controller battery pack and arduino.



This is a top view to show more of the motors and servo that launches the ball.