JUKE WHEEL

Yuhan Zhou

12.2022

The link of vedio, weblog and everything:

https://github.com/hanhan414/JUKE-WHEEL-22016954

It has to be fun!

I just want to make some interesting toys.

So, when I went to the playground and had in mind how to choose what to do for this project, I saw the colorful spinning Ferris wheel.

Then here comes my project:

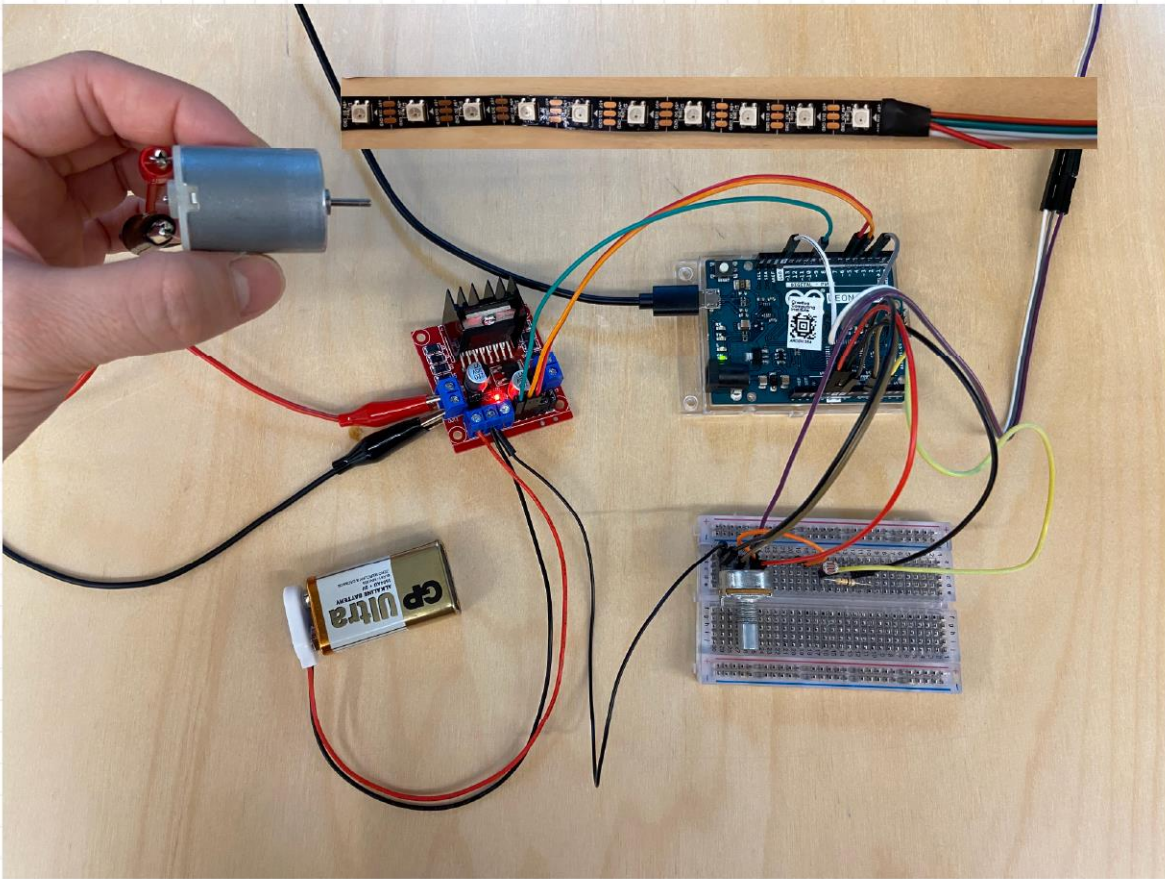A Ferris wheel that plays music. You can order any song or just let it play randomly.

When the sky is dark, it spins and shines colorful lights.

INPUT	OUTPUT
LDR	Light bar
Potentiometer	DC motor
RFID-RC522	Speaker

It was divided into two parts

Wheel&Light

Jukebox

adjust the speed

on/off

on/off

send card number

play the music

■ Check the link from cover page for circuit diagrams
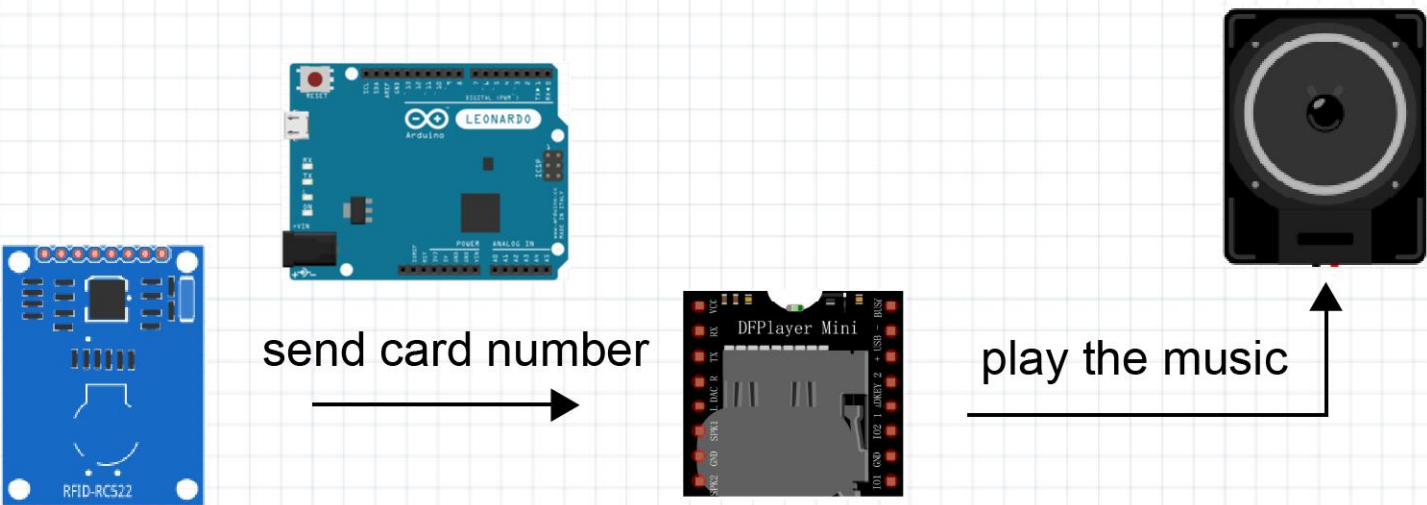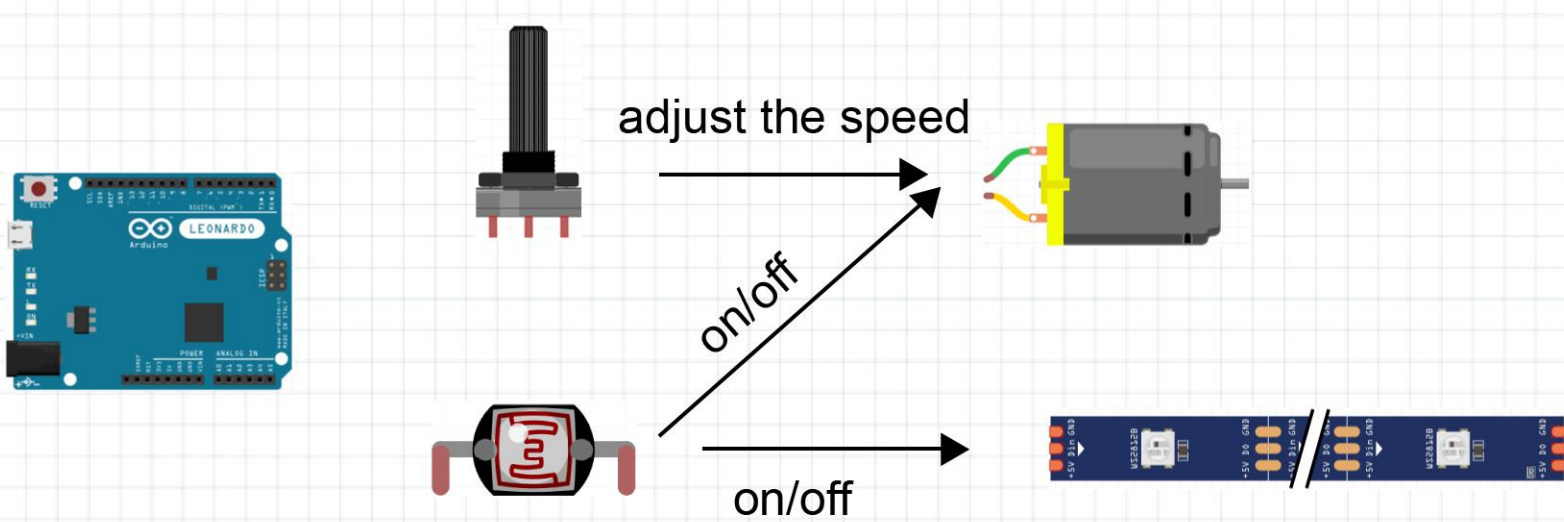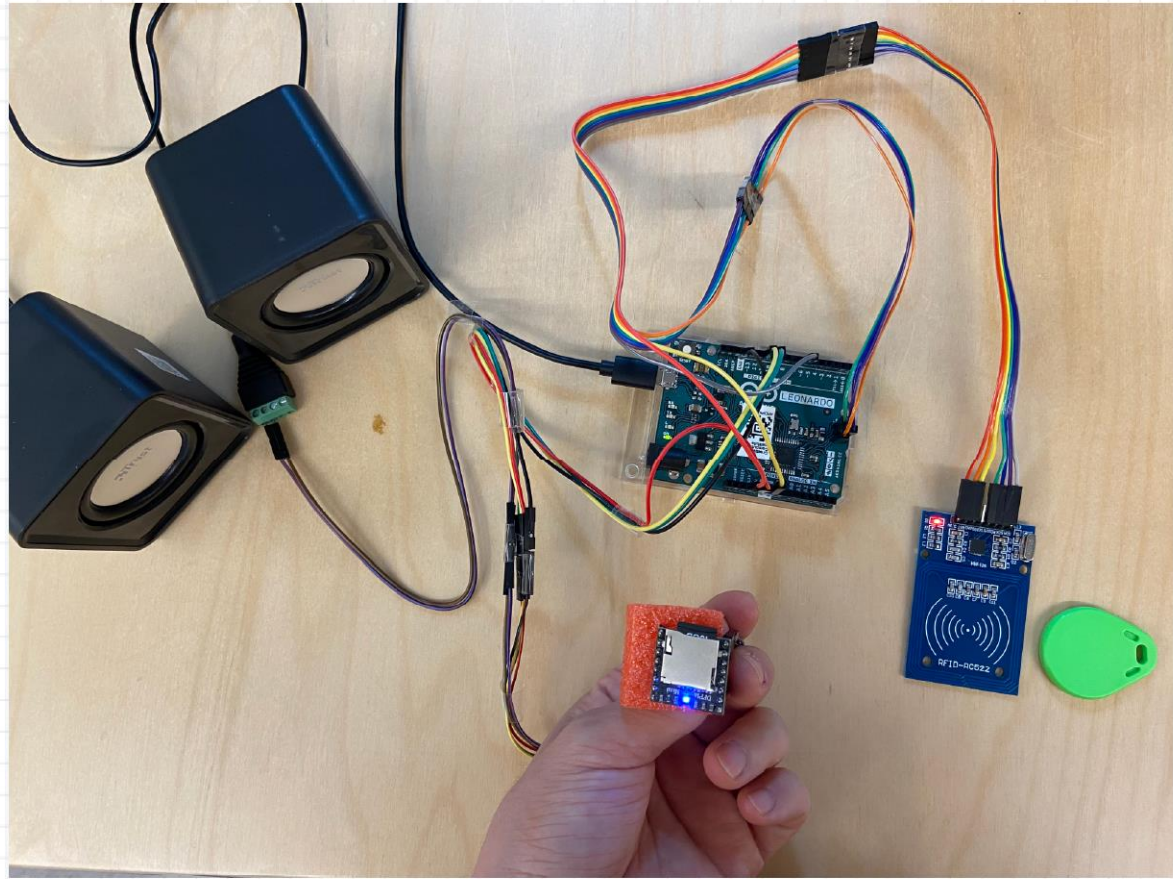
Making

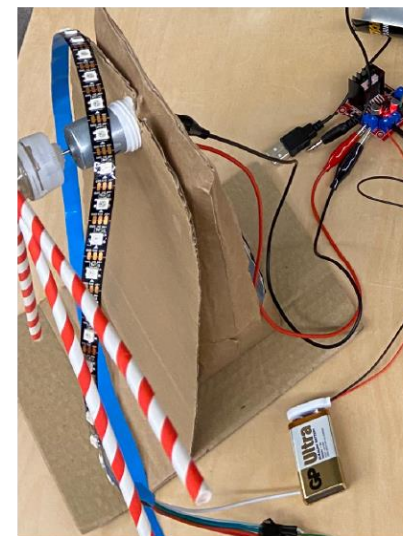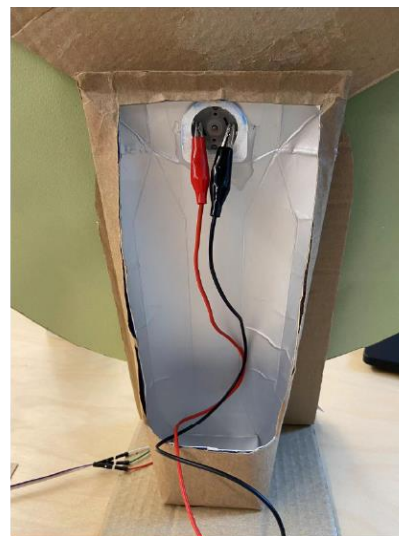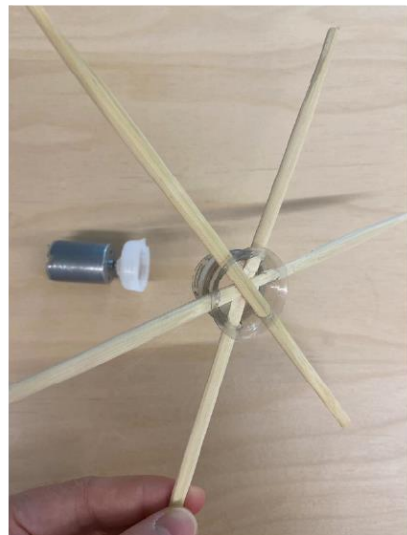**All materials are from waste!**

Juice box
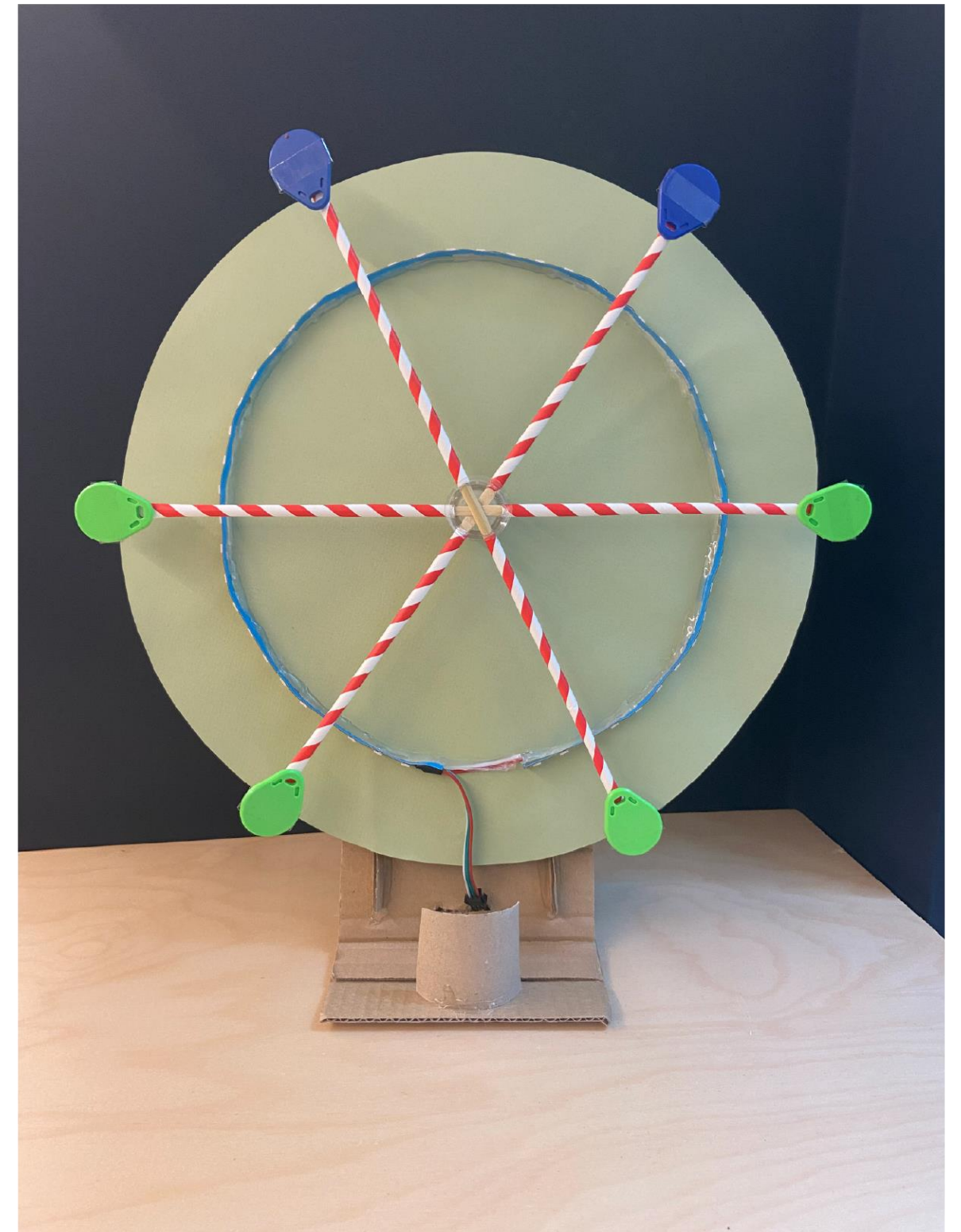
Chopsticks

Bottle cap

Straw

Express box

Wrapping paper

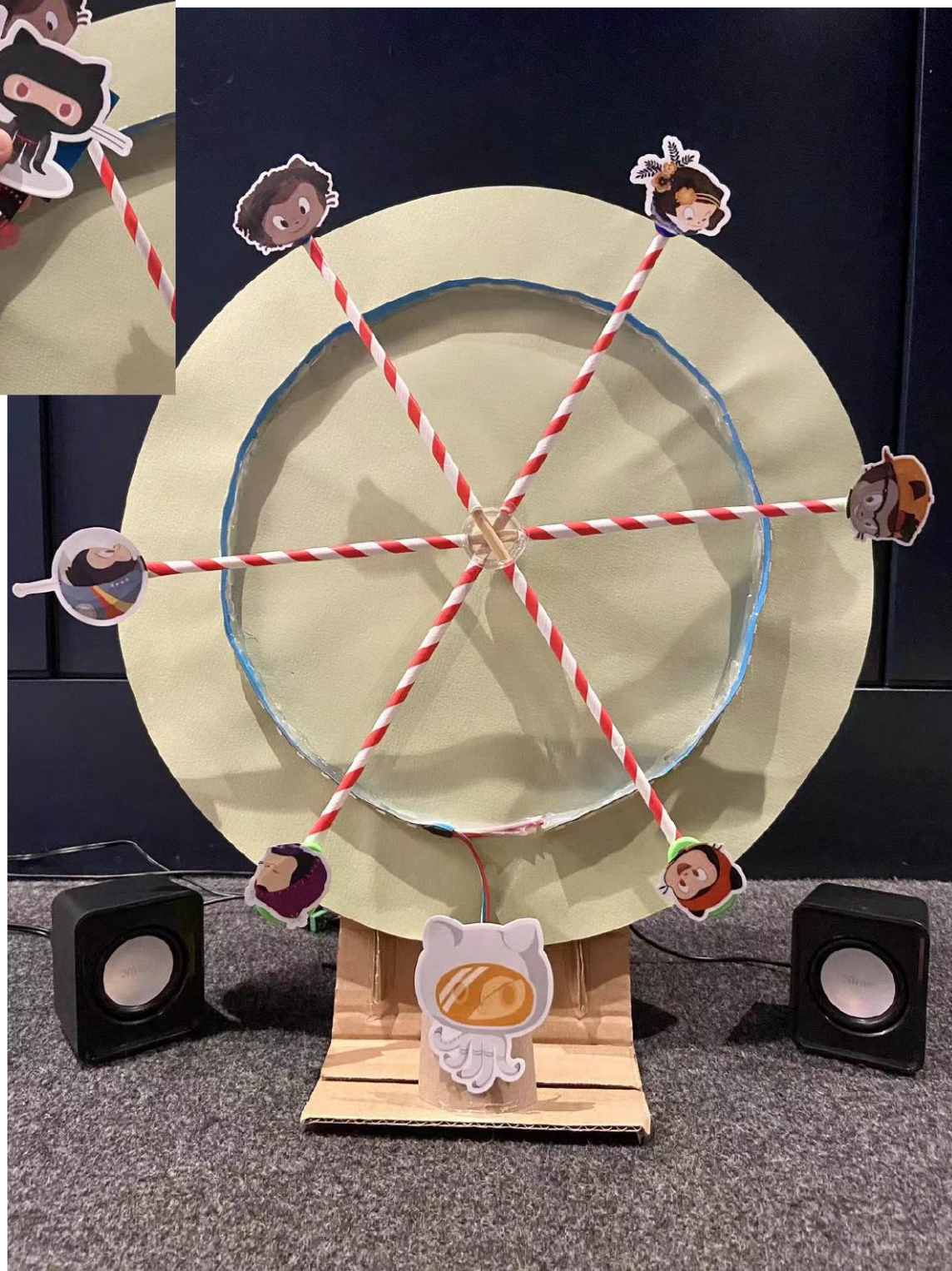▼ Axis is my favorite part, made by a bottle cap. Some chopsticks across it.

▲ The body is a juice box, and the DC motor fits its mouth.

Playing

Order any song you want by holding the cat approaching one mouse.

Light on

Light off

Now, enjoy in the dark!

Random song switching by approachin the spinning wheel