**Graphical user interface, text

Description automatically generatedProject Name**

ECEN 106 – Computer Systems Final Project

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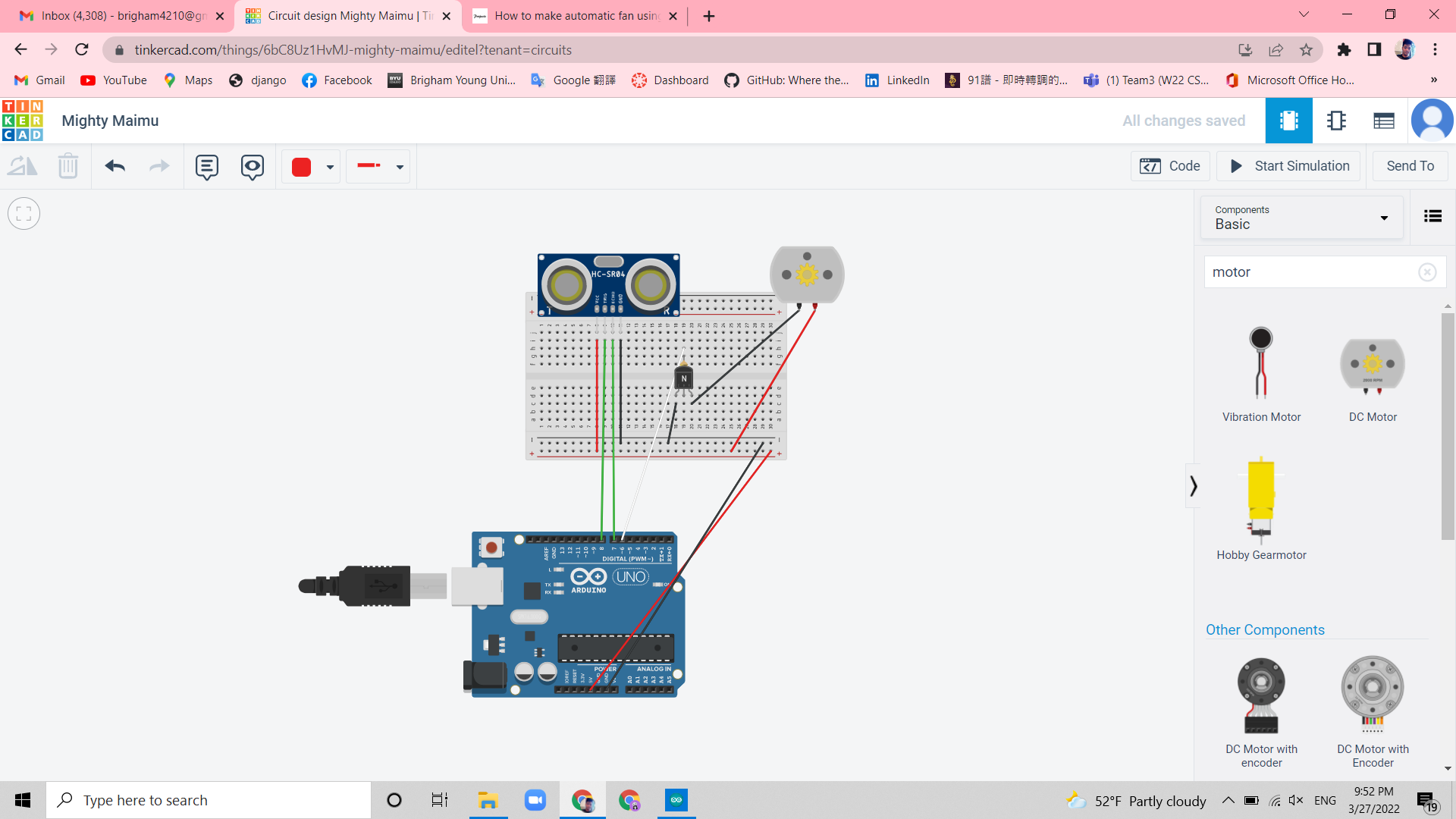
**What it does and how it works**

This is a fan with an Ultrasonic distance sensor.

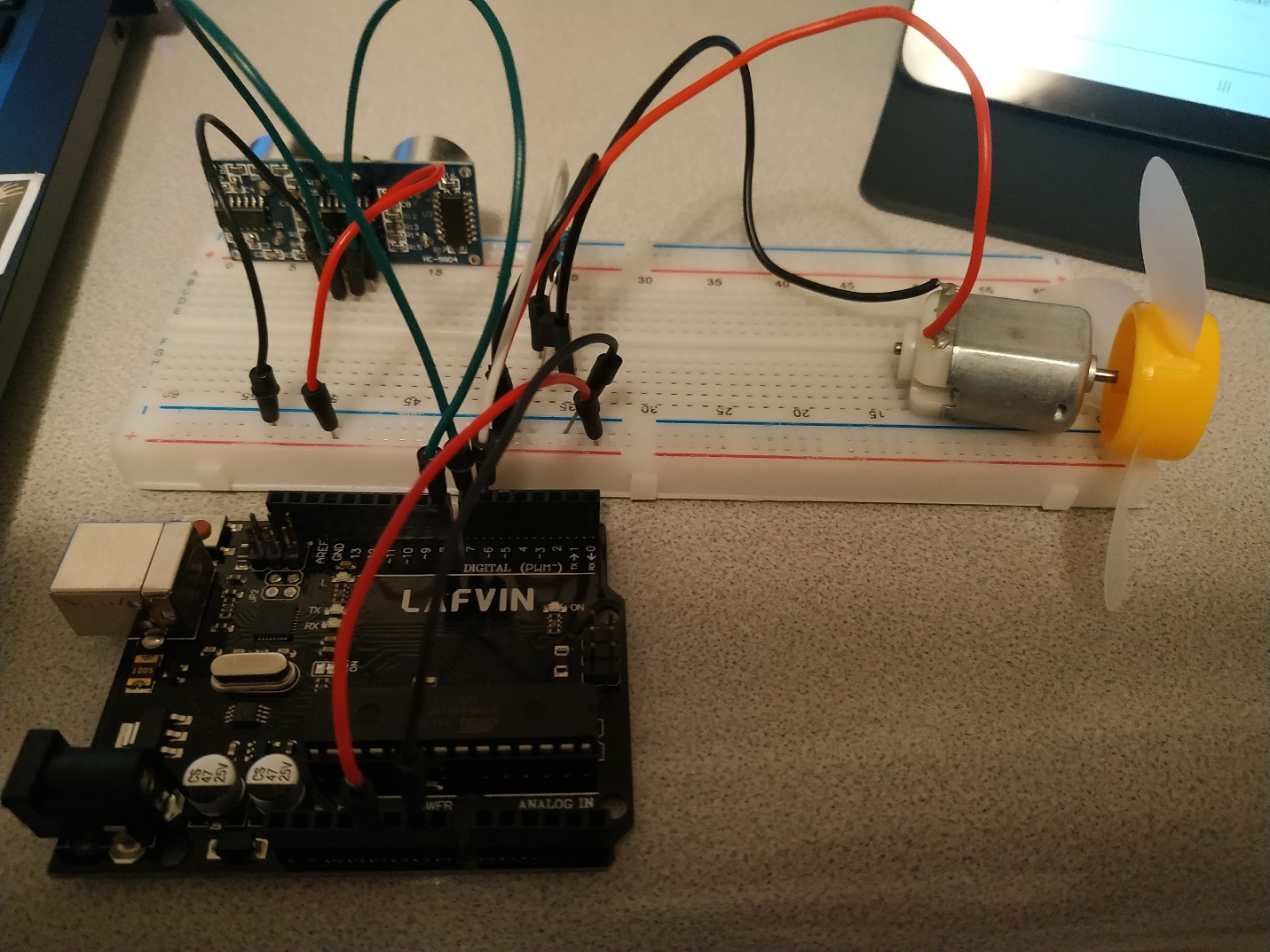
I use the Ultrasonic Sensor to detect the distance. If we are at a particular distance which is between 5 and 30 cm, the fan will be turned on.

**Hardware: wiring diagram and photos**

This is the circuit I made.



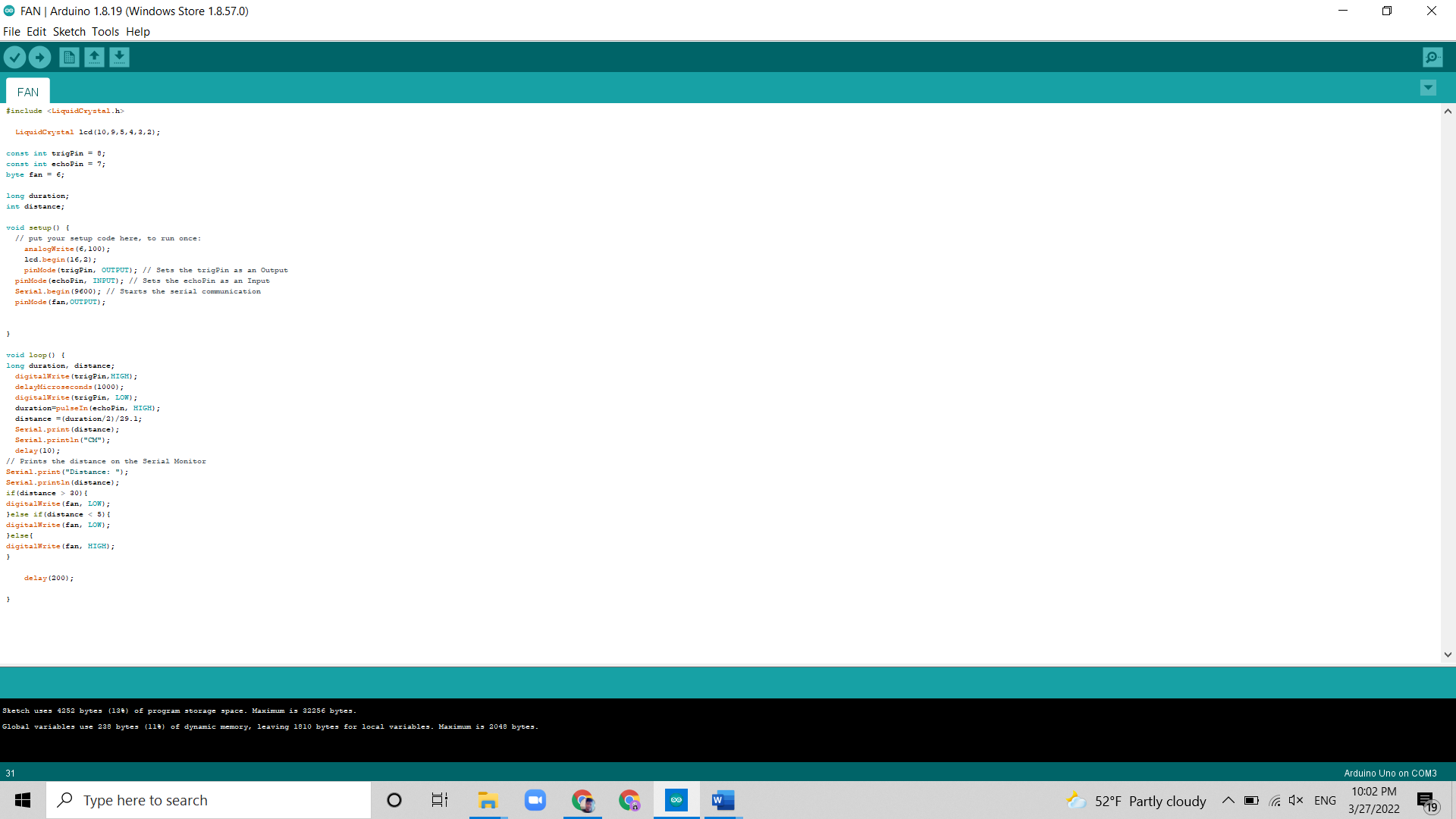
This is the picture I took for the project I made.



**Software: Arduino sketch:**

<https://simpletechproject.wordpress.com/2018/10/12/how-to-make-automatic-fan-using-arduino-and-ultrasonic-sensor/>

this link is where I get the code.



This picture shows the code I alternated.

This is the link to the code.

<https://github.com/brigham4210/Fan_Arduino/blob/main/FAN/FAN.ino>

This is the link to the video for the project.

<https://youtu.be/EldG7JtQUj4>