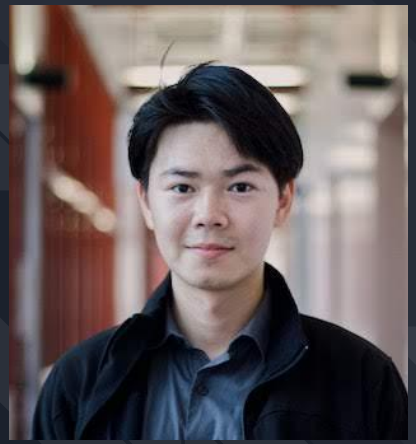
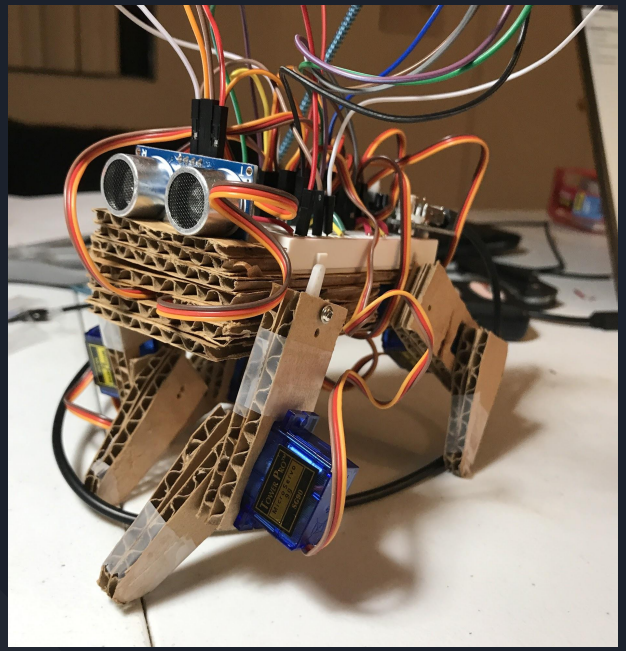
- Second year transfer Electrical Engineer
- Depth: Circuits and System



Lam Tran

Project FF
(Four-legged Friend)



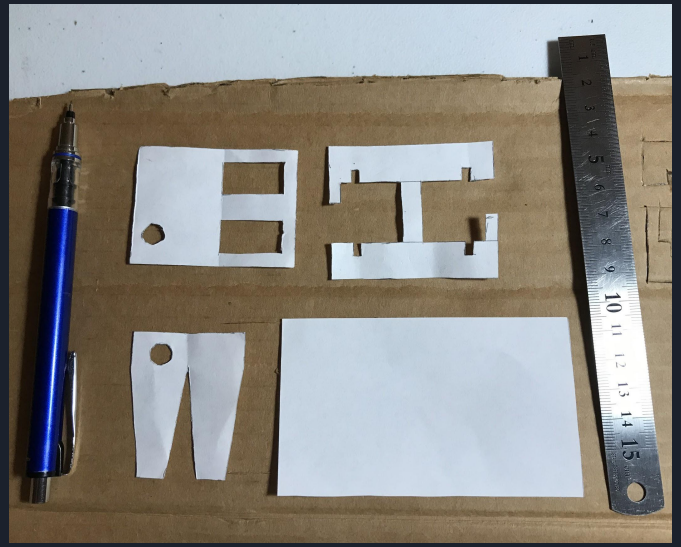
Introduction

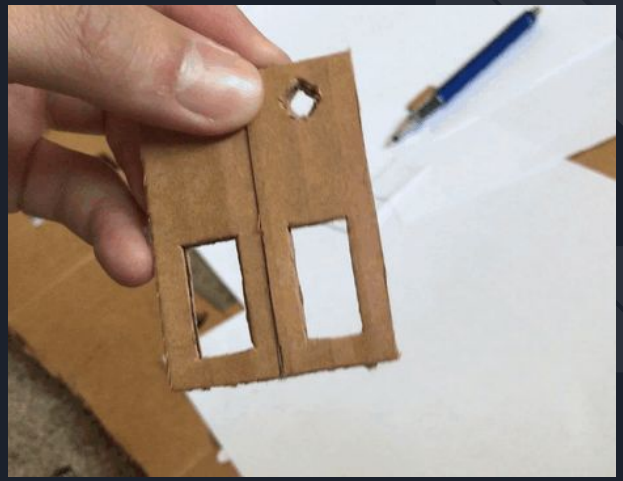
Problem

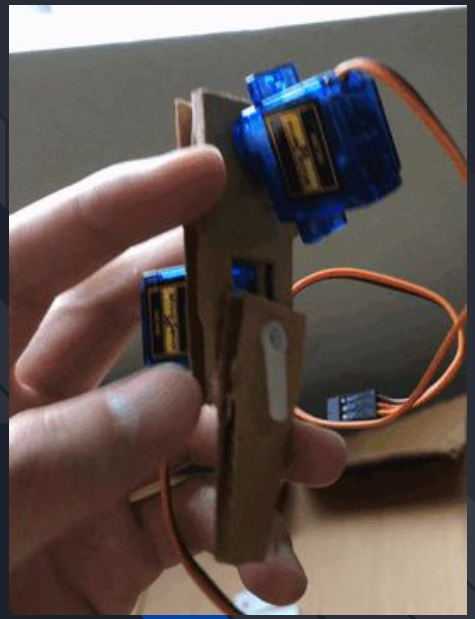
Have you ever wanted to learn robotics by building your own four-legged robot but could not find a cheap and easily assembled project tutorial?

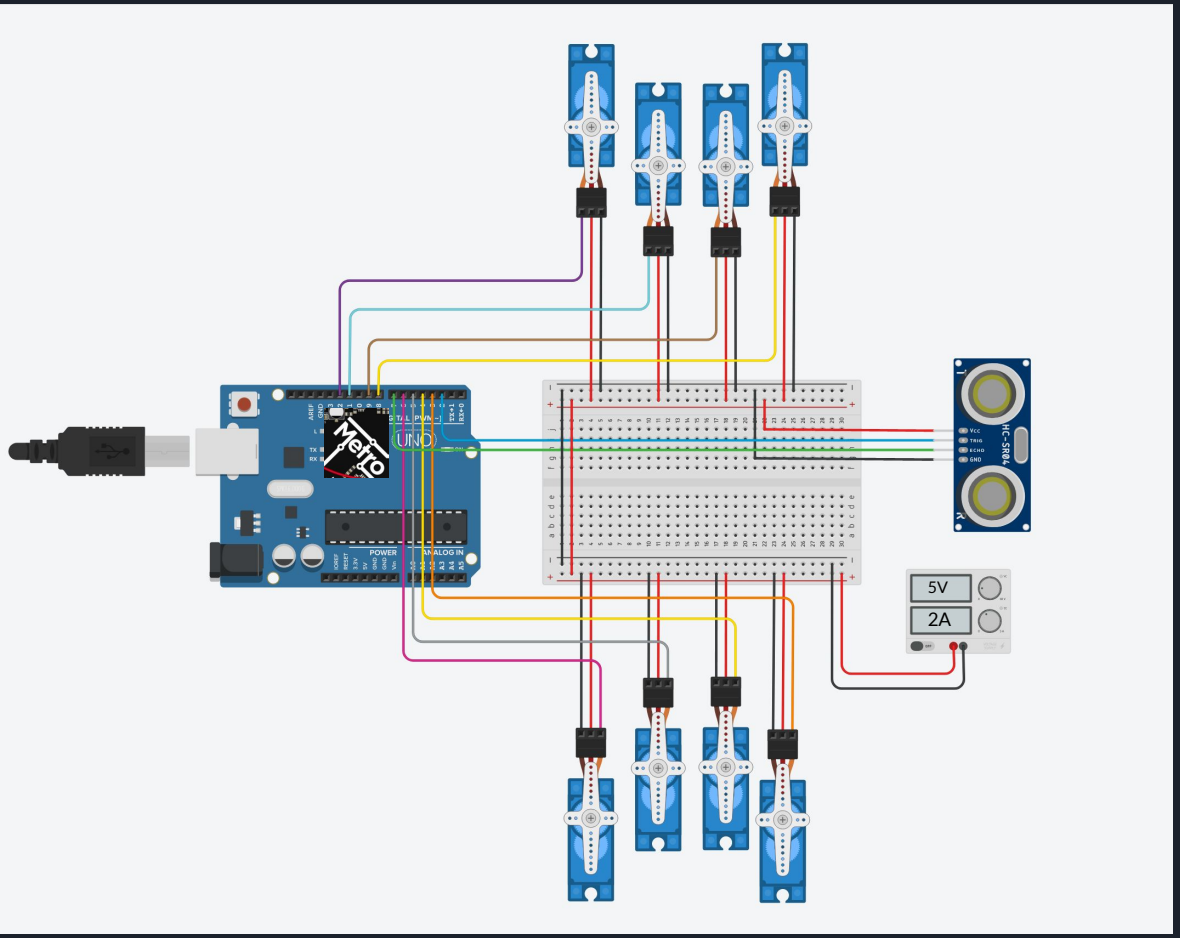
Solution

Prototype



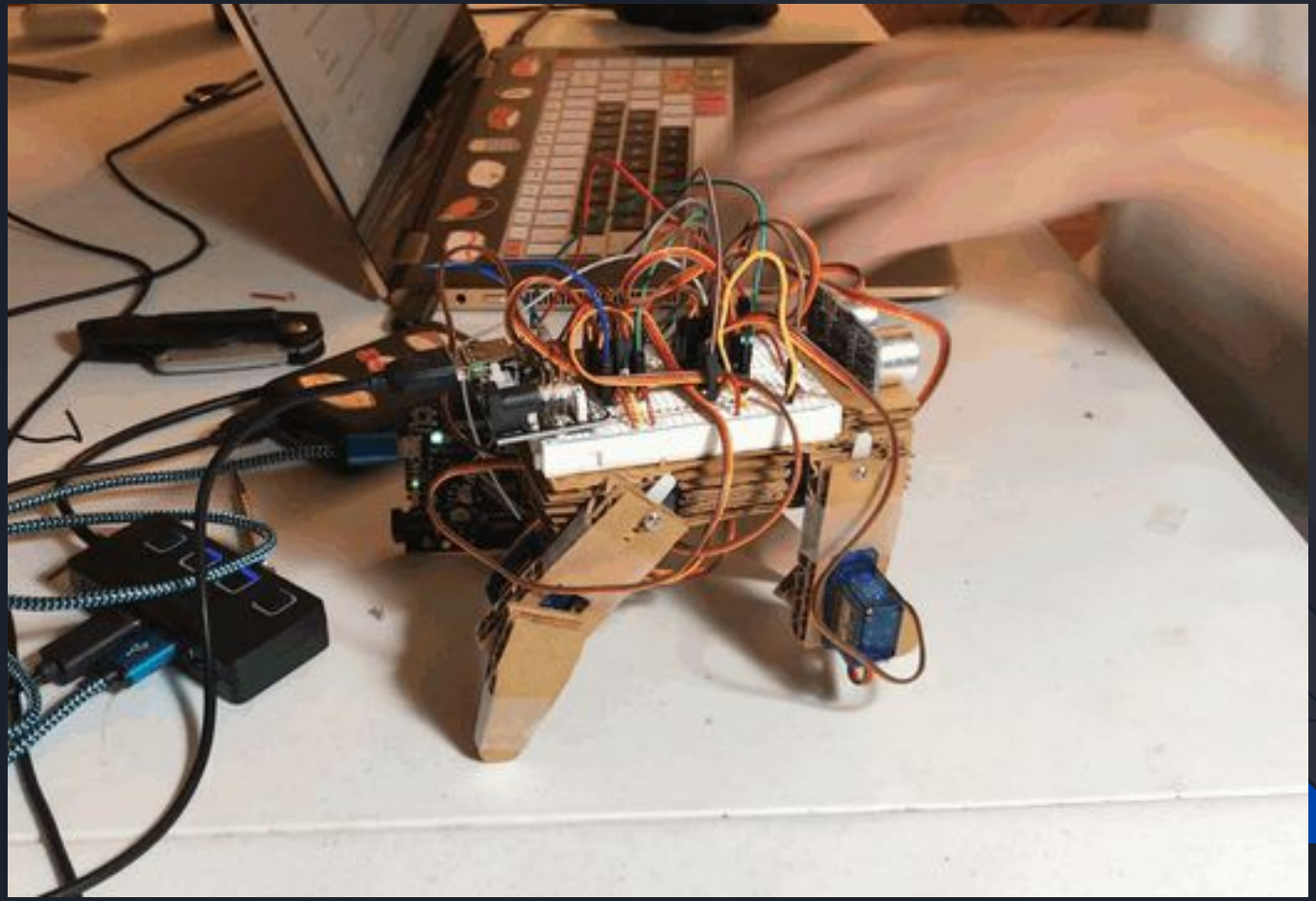


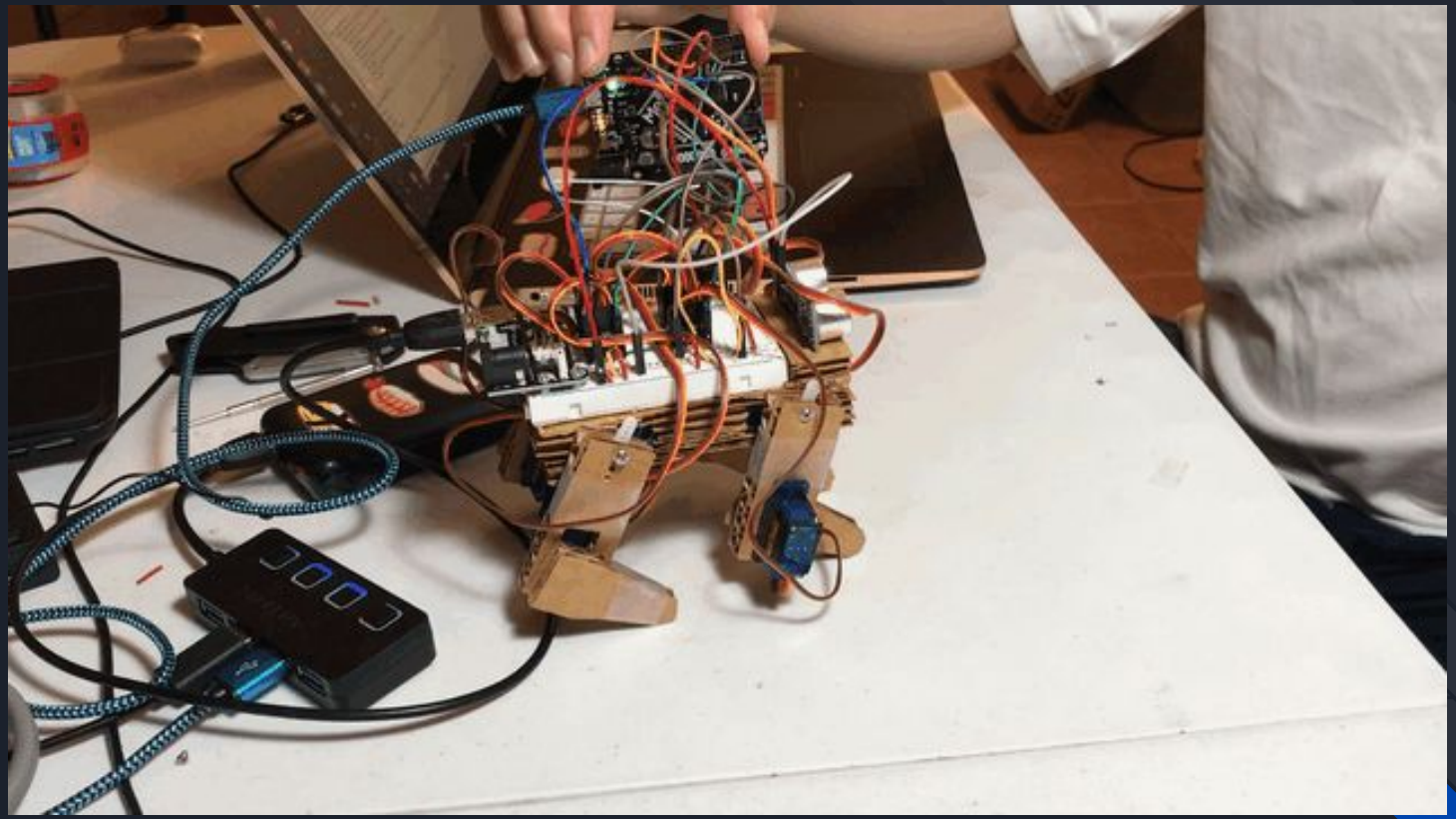



UNO
POWER
ANALOG IN
HC-SR04
VCC
TRIG
ECHO
GND
5V
2A

Problems Encountered

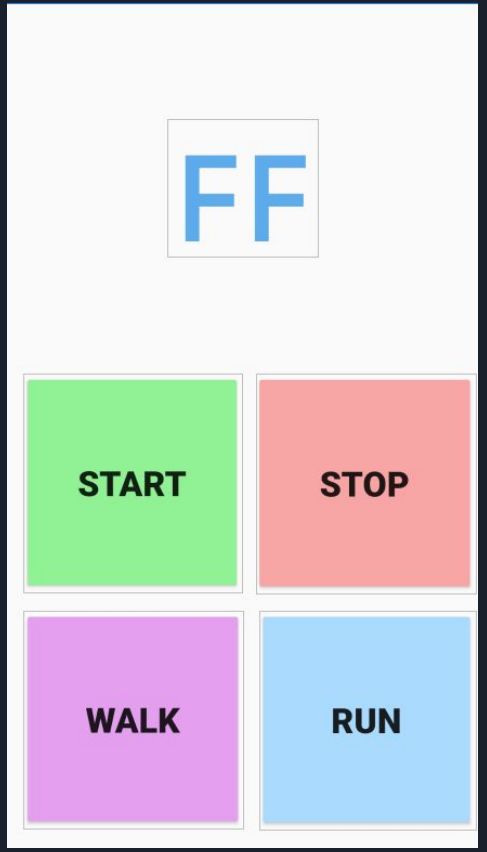
Live Demonstration





Future of the project

- Fine-tune walking motion
- 3D parts
- Android app
- Machine Learning



Questions or comments?

Resources

Servo Control
https://sites.google.com/view/circuitpython/tutorials/servo-control-with-knob-potentiometer?authuser=0

Ultrasonic Distance Sensor
https://learn.adafruit.com/ultrasonic-sonar-distance-sensors/python-circuitpython