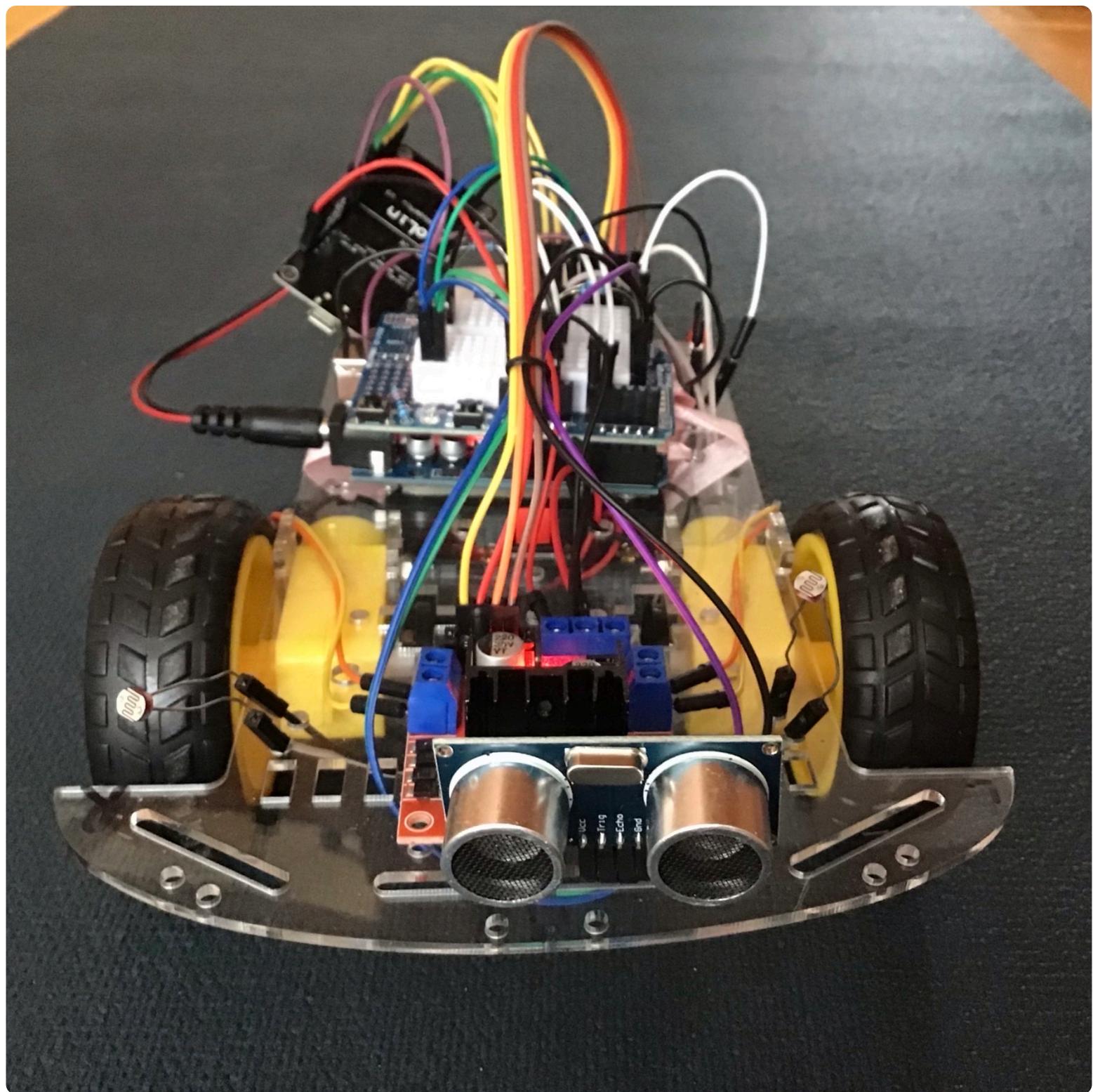
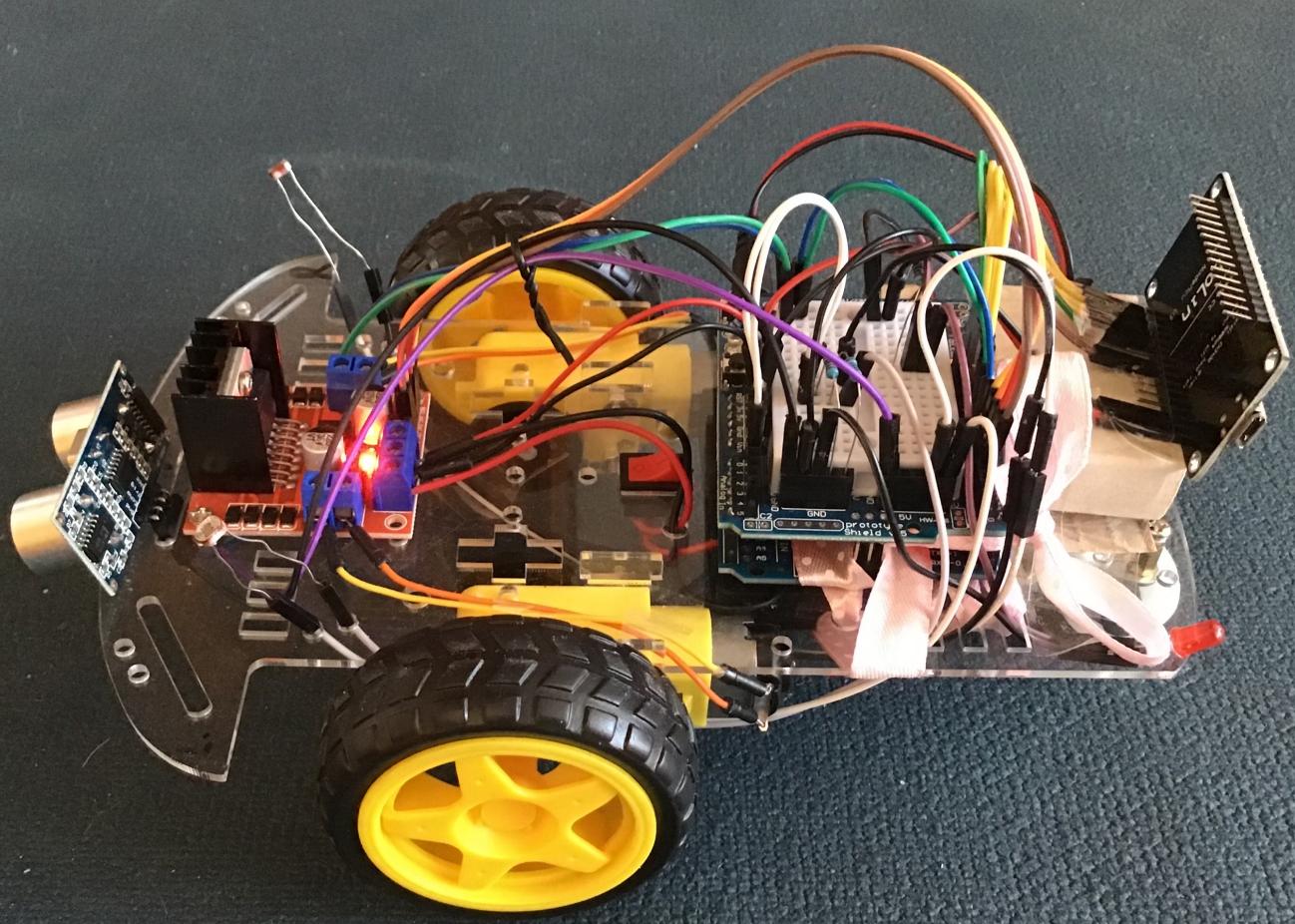
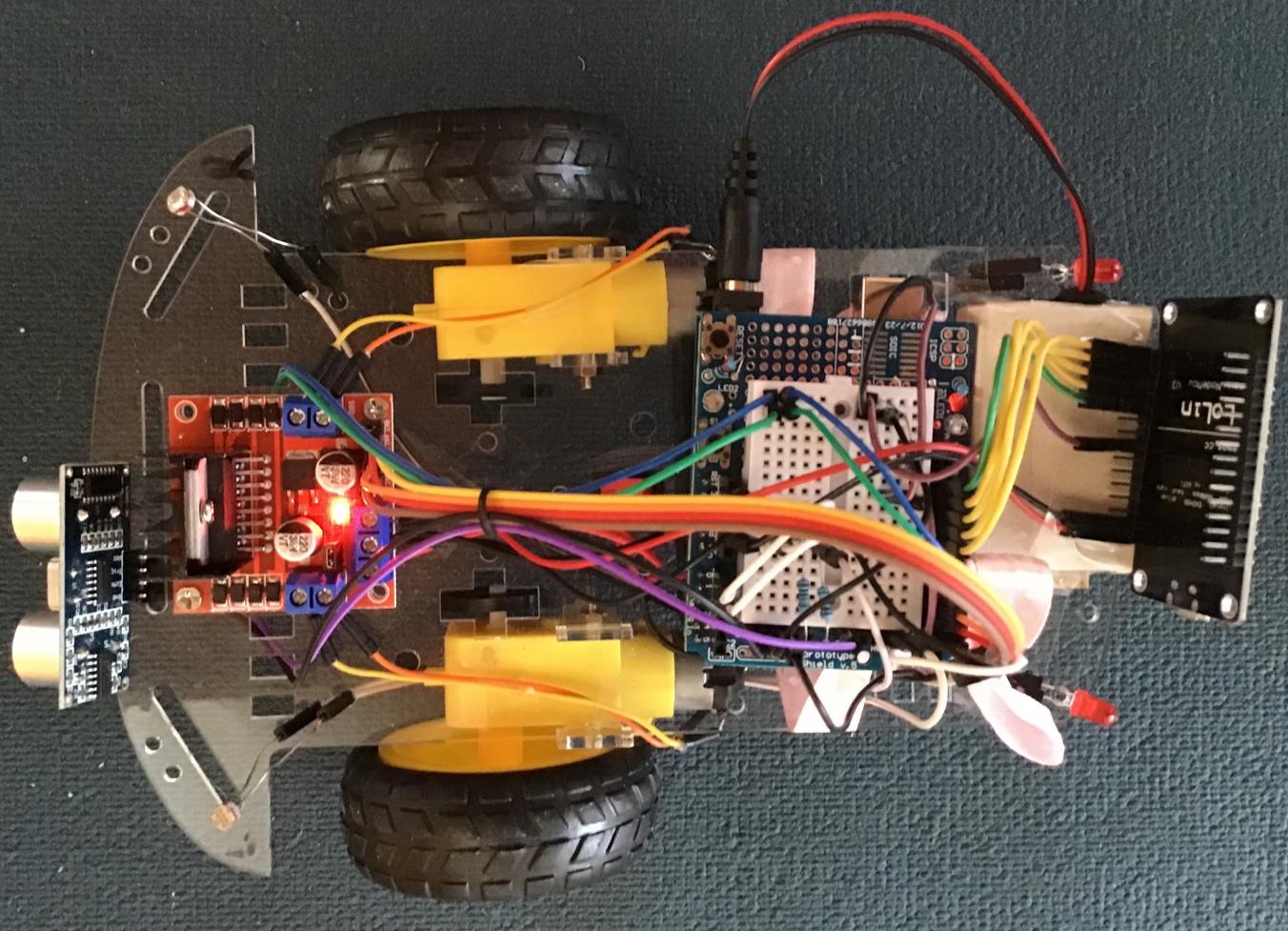


Robbie



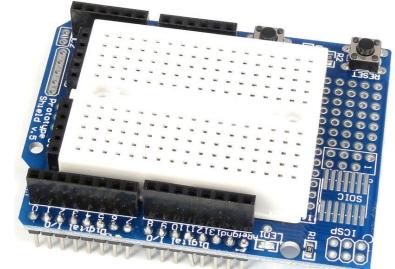


Main components:

Arduino UNO



Proto Shield Arduino UNO



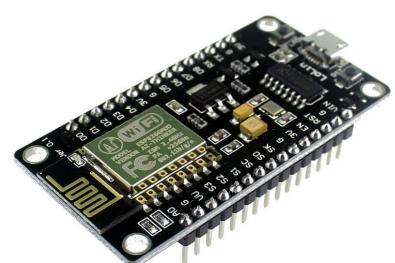
Car chassis 2WD RT-5 - 210mm



ultrasonic distance sensor HC-SR04



NodeMCU v3 - ESP8266 development kit CH340



DC motor driver L298N



Components and supplies:

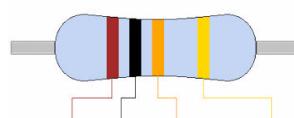
photoresistor x2



LED x2



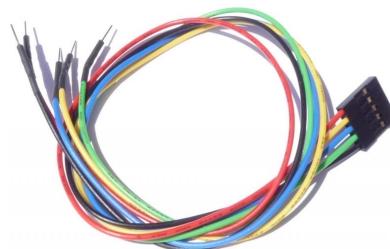
10k resistor



220 resistor



goldpins, cables



Power supply:

battery box AA



DC 5.5/2.1 - adapter



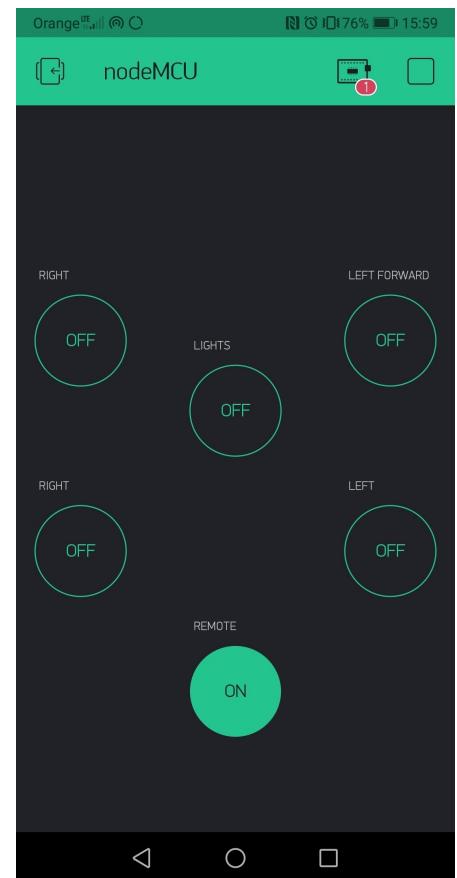
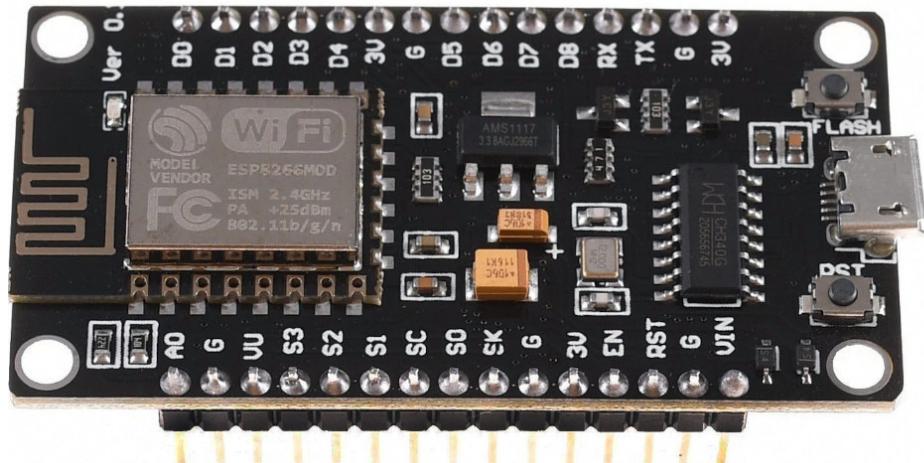
9 V battery

AA battery x 4



Mobile phone with Blynk application

Wifi hotspot



BLYNK / nodeMCU	ARDUINO IN	ARDUINO OUT	DC DRIVER	FUNCTION
D0	D8	D2	IN1	left motor backward
D1	D9	D3	IN3	right motor forward
D2	D10	D4	IN2	left motor forward
D3	D11	D5	IN4	right motor backward
D4	D12	--	--	remote control on / off button
D5	--	--	--	lights on / off button
--	D6	--		pin echo - ultrasonic distance sensor
--	--	D7		pin trig - ultrasonic distance sensor
--	A0			photoresistor right
--	A1			photoresistor left

