

Stoleriu Ionut-Marian in echipa cu Sipoteanu Adrian



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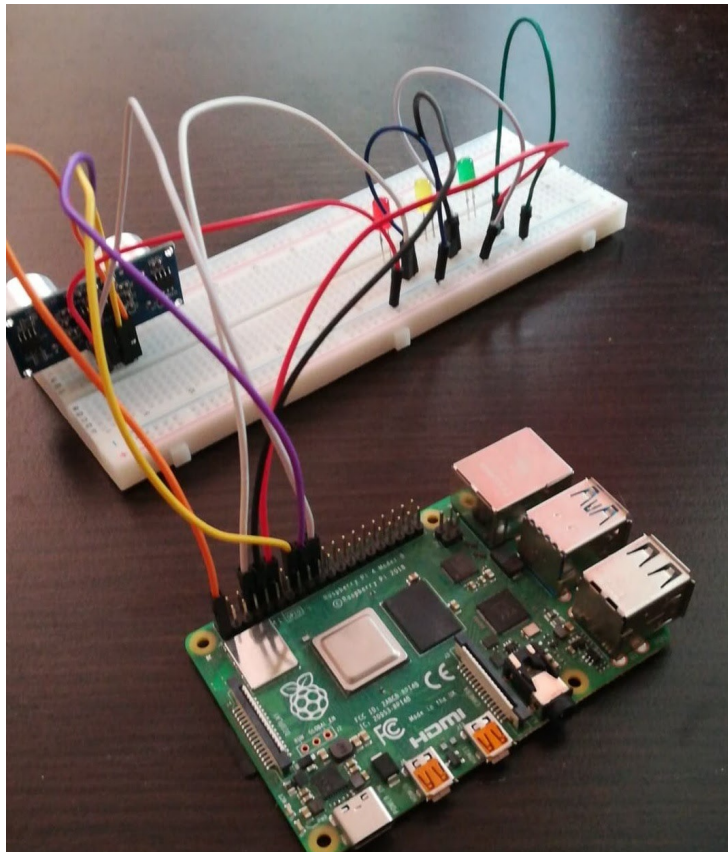
Hackster link: <https://www.hackster.io/ionut-stoleriu/parking-light-sensor-0ef8eb>

Name: Parking light sensor

Preview: <https://www.youtube.com/watch?v=zacK980ucZs>

Elevator pitch: This project is about a parking sensor which shows a specific color when you are close to an obstacle.

















Cover Image:



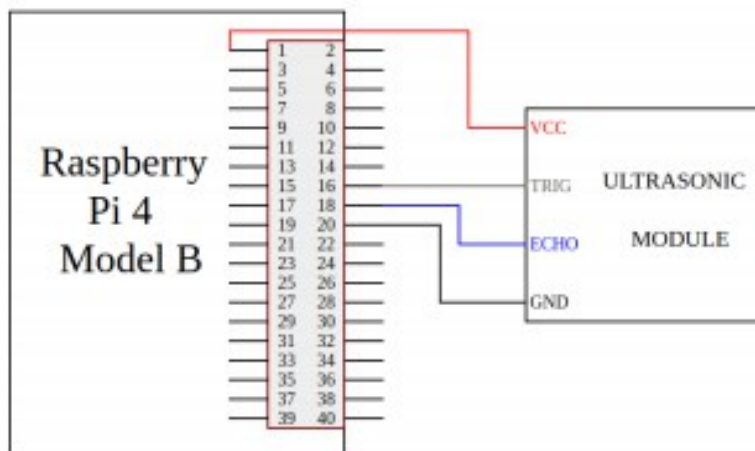
Story: This project is about a parking sensor which shows a specific color when you are close to an obstacle. There are 3 LEDs, each one is lighting when the distance from obstacle to sensor it's in the program interval. The red one will light when you are at maximul 10cm from obstacle, yellow when distance from obstacle is between 10 and 20cm and the green LED its lighted when the distance is between 20 and 50cm. If the distance is bigger than 50cm, all LEDs will be off.

Things used in this project

Hardware components

	Raspberry Pi 4 Model B	× 1	
	SparkFun Ultrasonic Sensor - HC-SR04	× 1	
	Breadboard (generic)	× 1	 
	Male/Female Jumper Wires	× 7	 
	5 mm LED: Red	× 1	
	5 mm LED: Yellow	× 1	
	5 mm LED: Green	× 1	

Schematics:



And the visual representation:

