Perfilômetro

Adolfo Serique

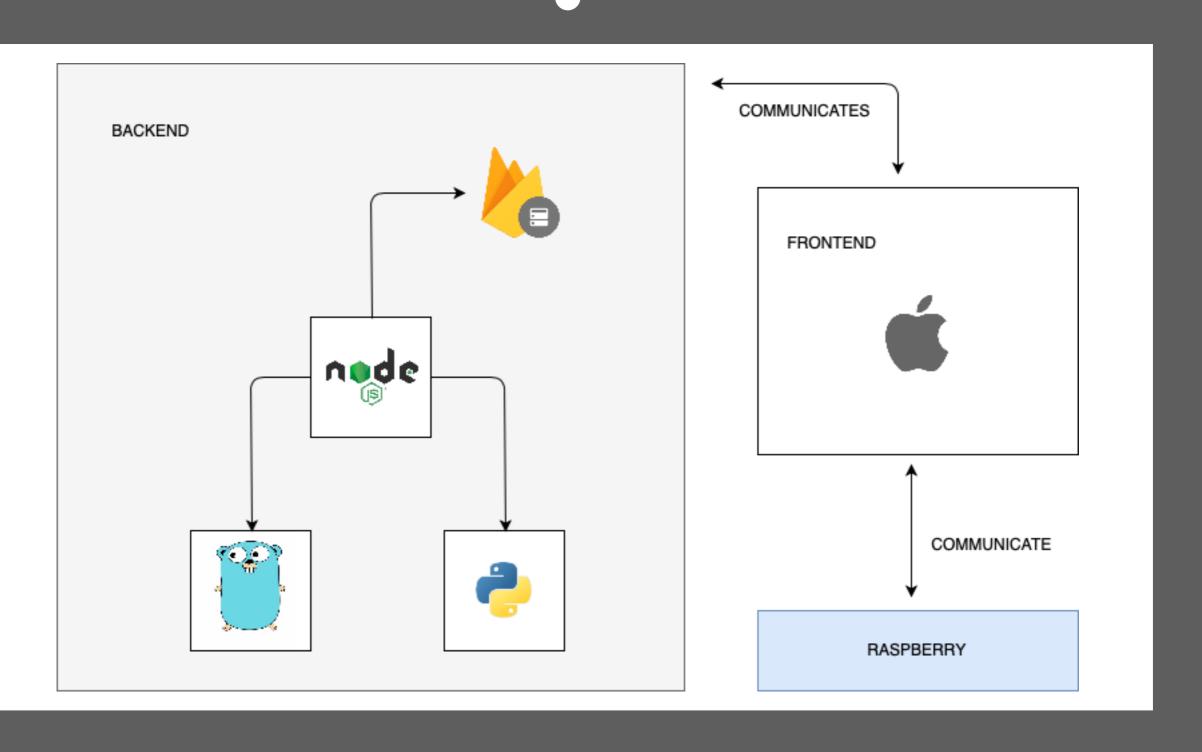
Antonino Martins

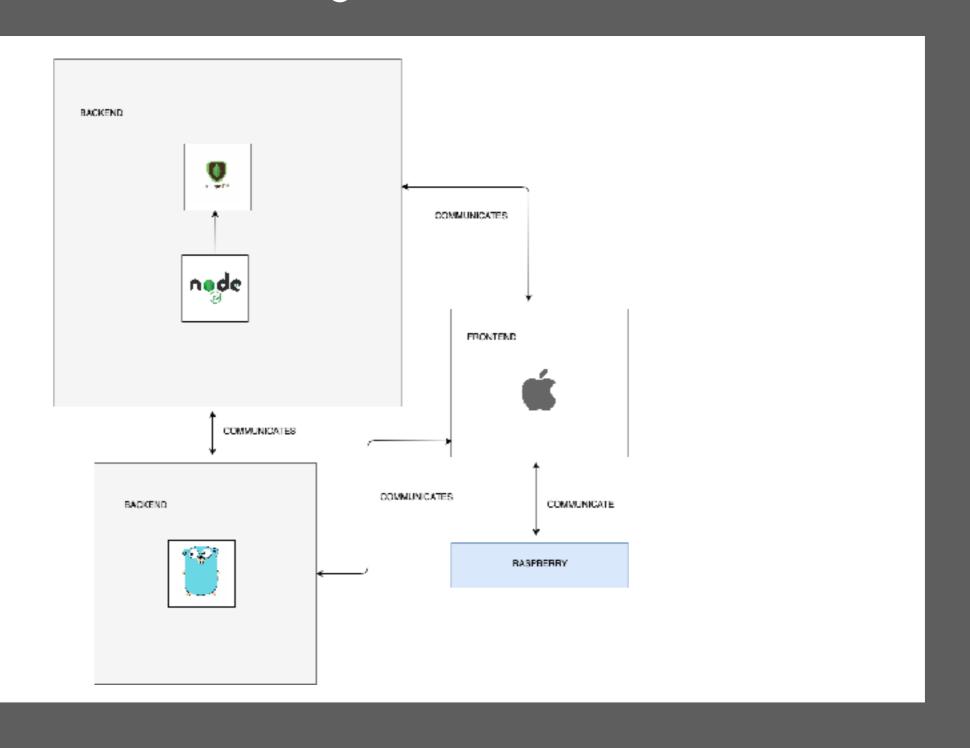
Guilherme Baldissera

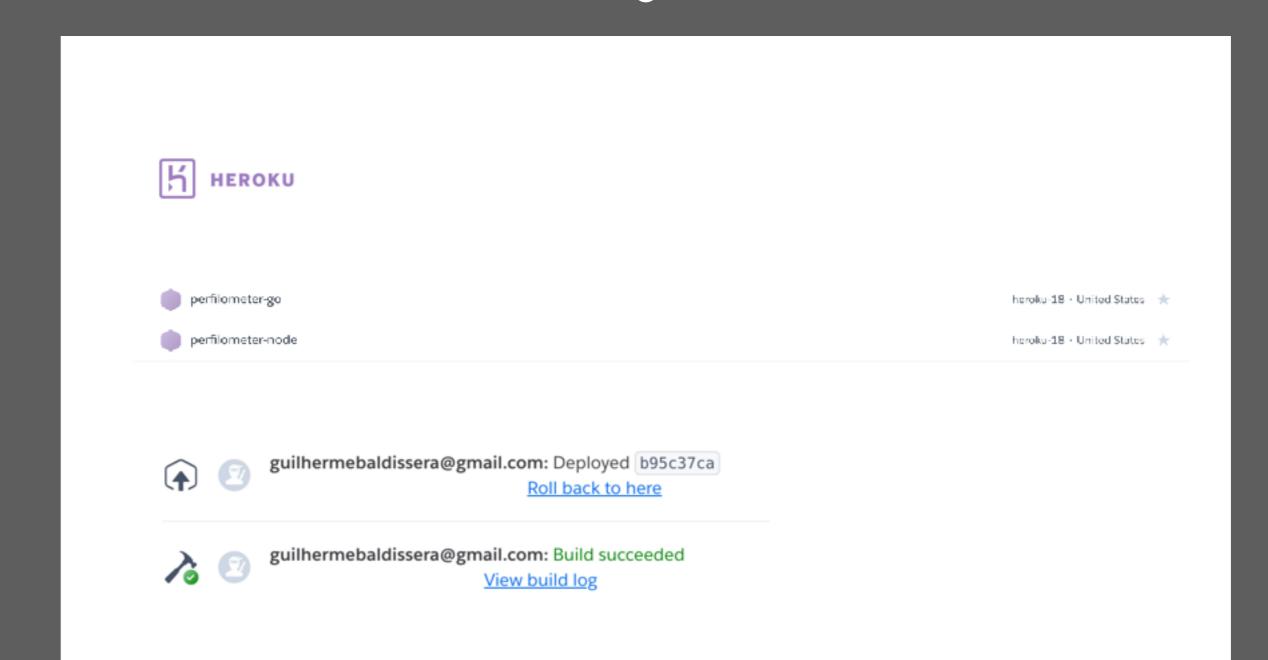
Miguel Pimentel

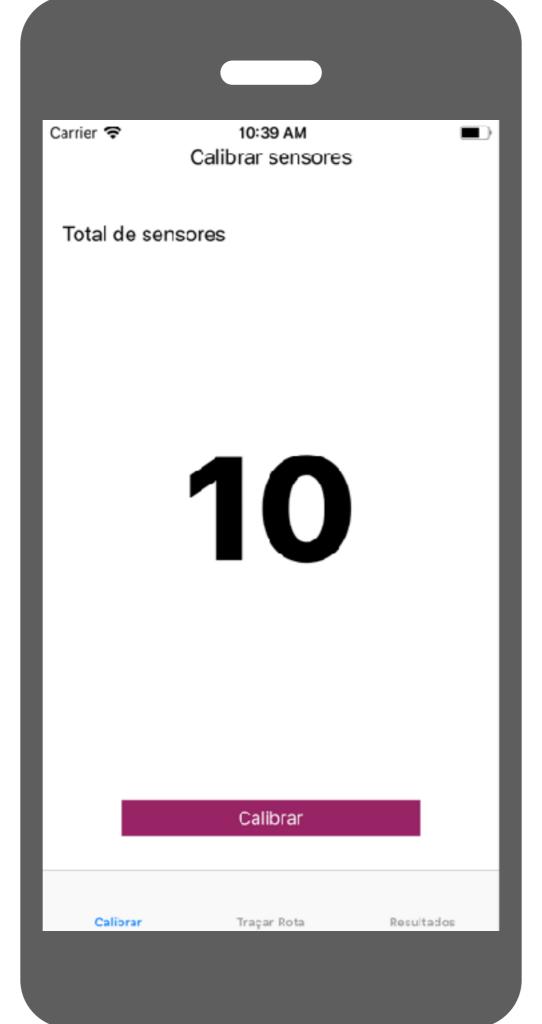
Vitor Umpierre

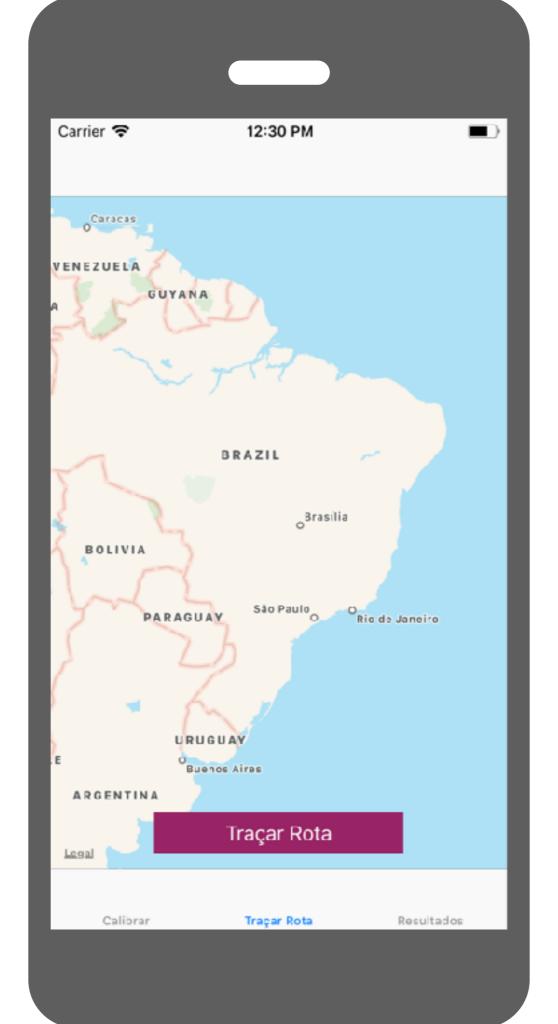
Karoline Sales

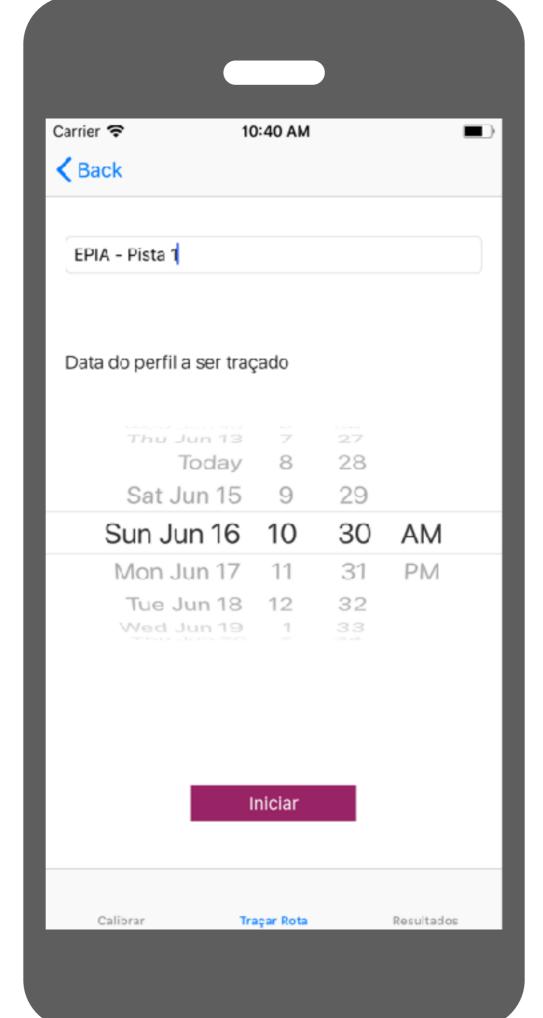




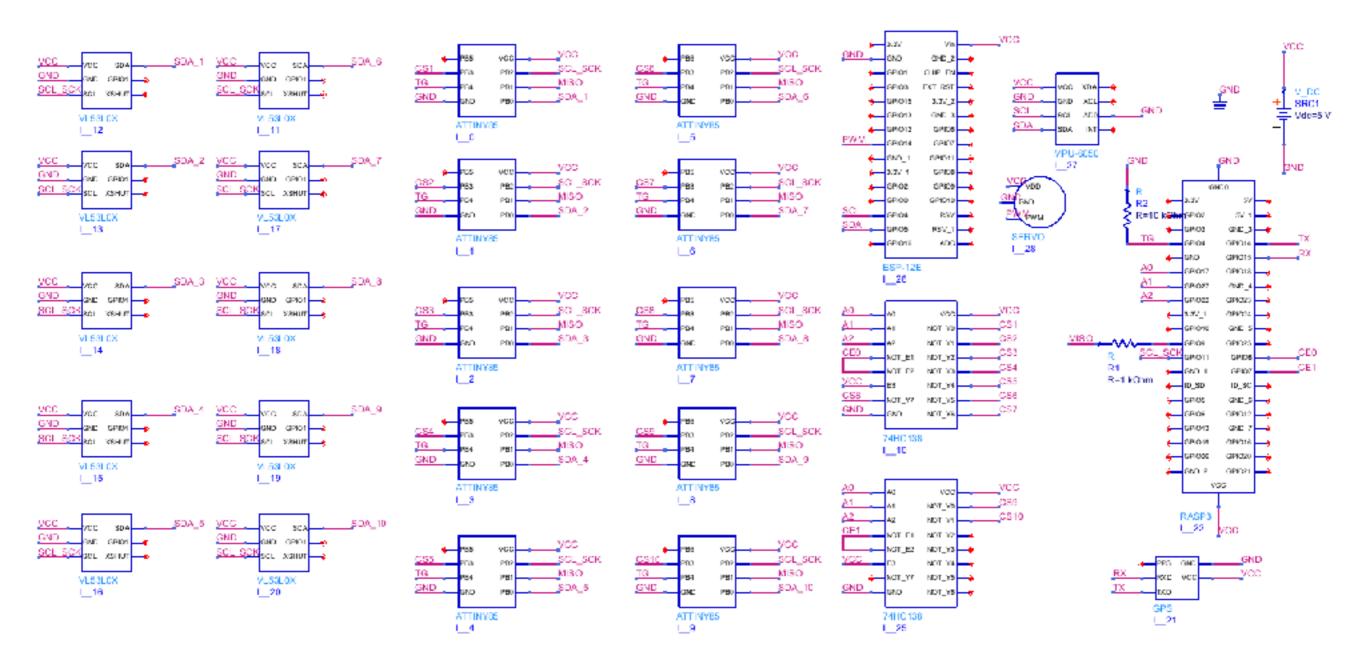


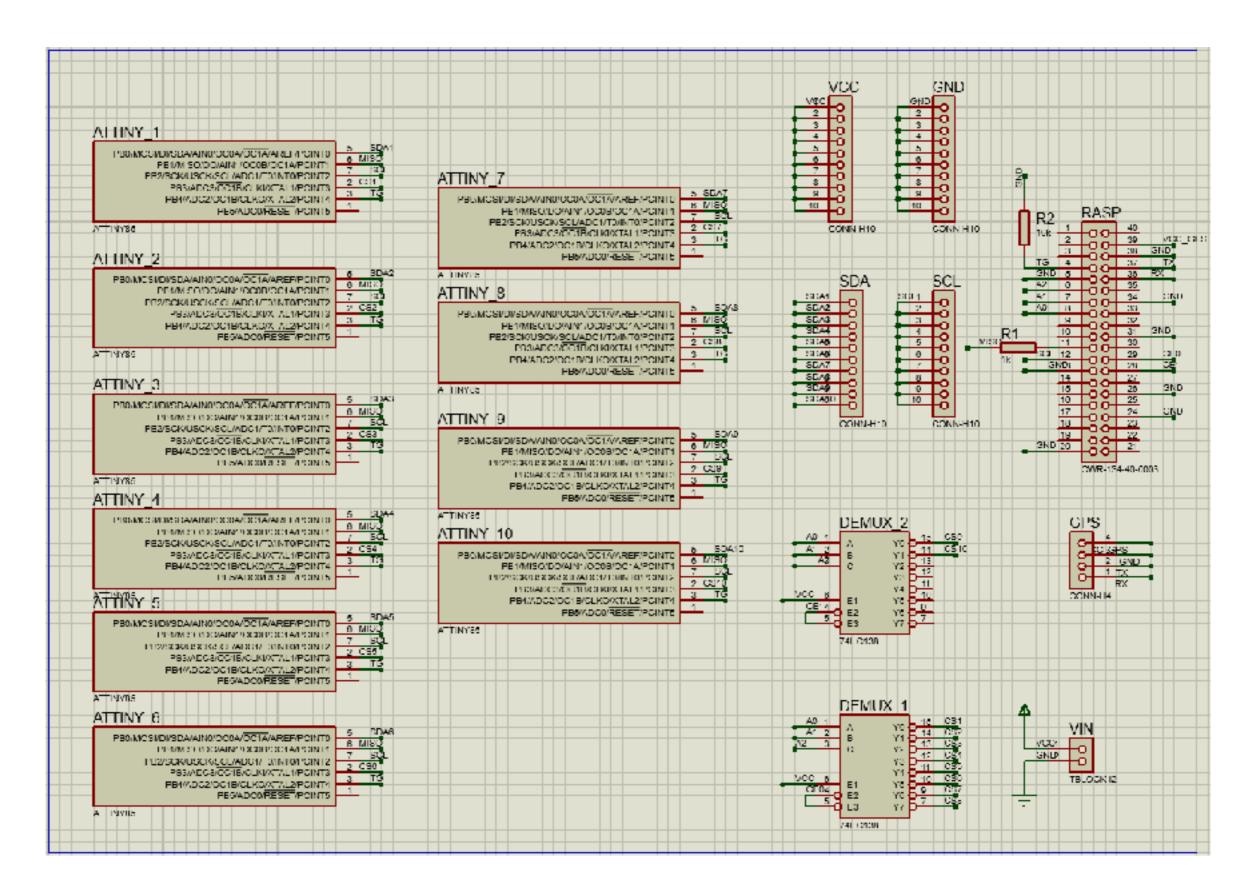


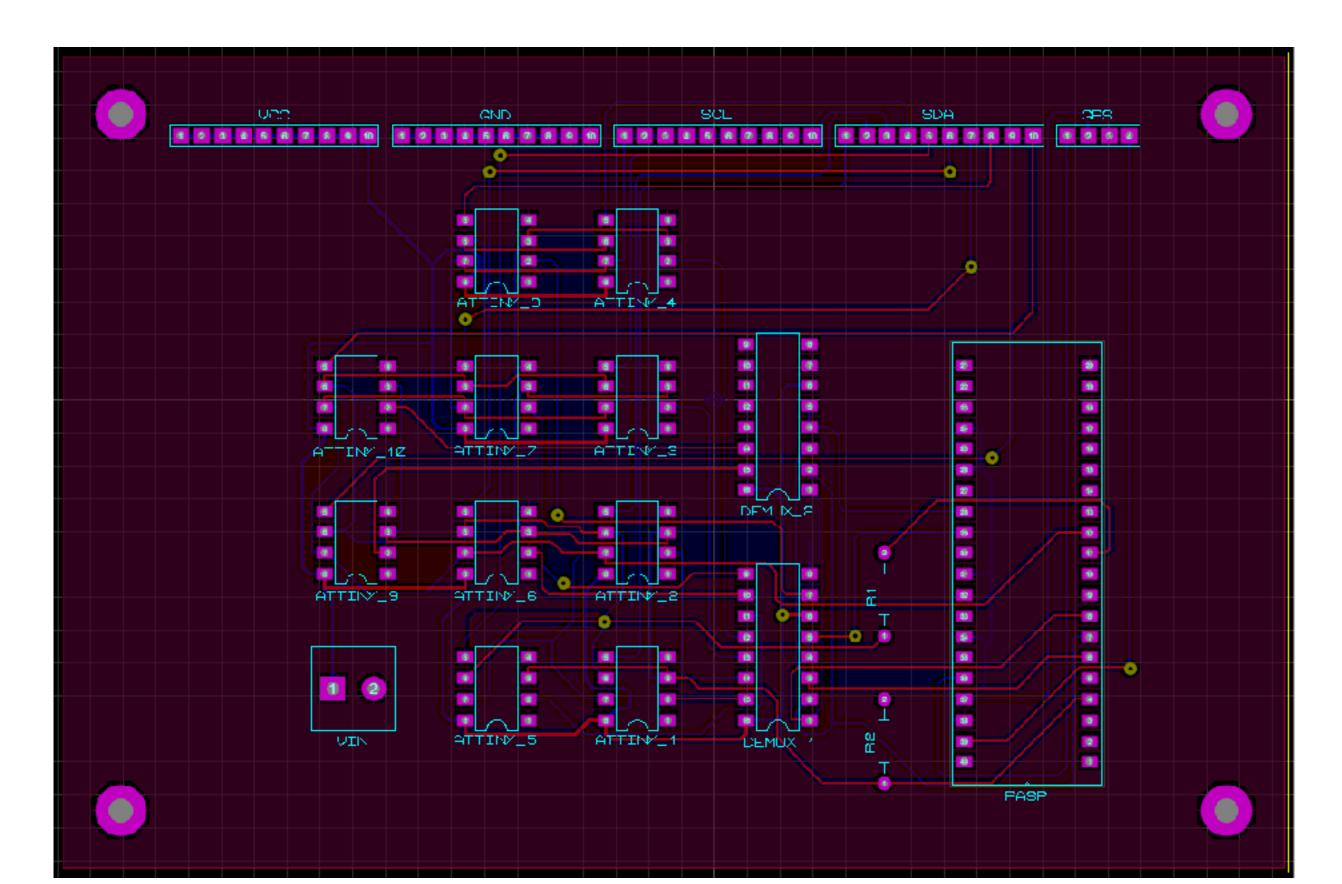


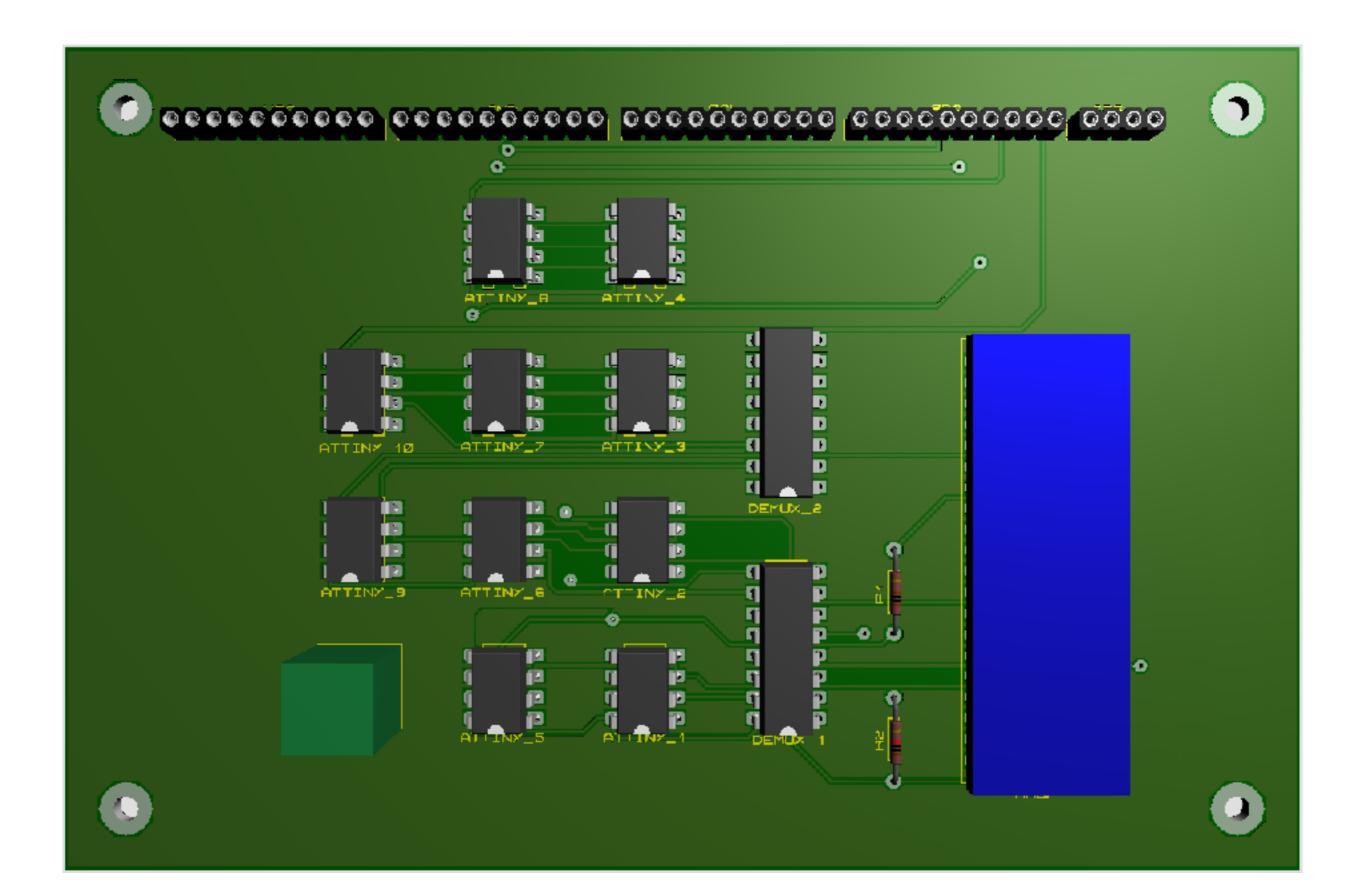


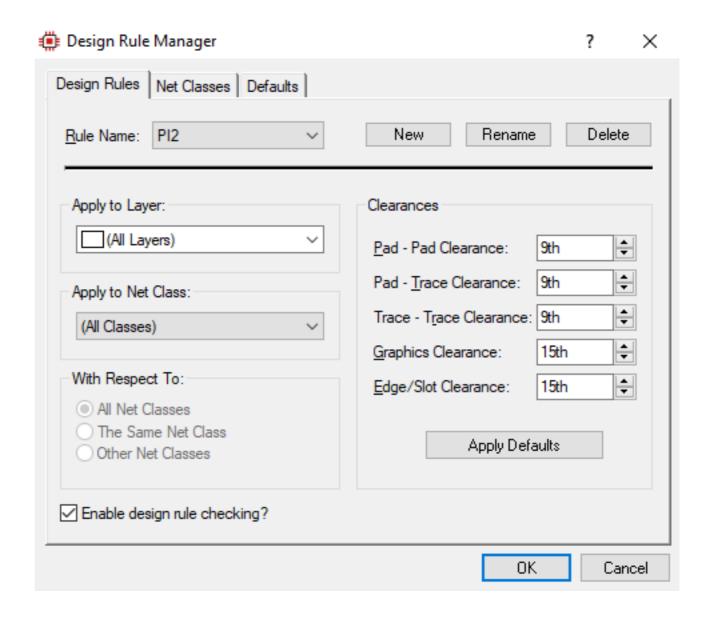
Carrier 🖘	10:39 AM	
	Results	Comparar
l		
Calibrar	Traçar Rota	Resultados

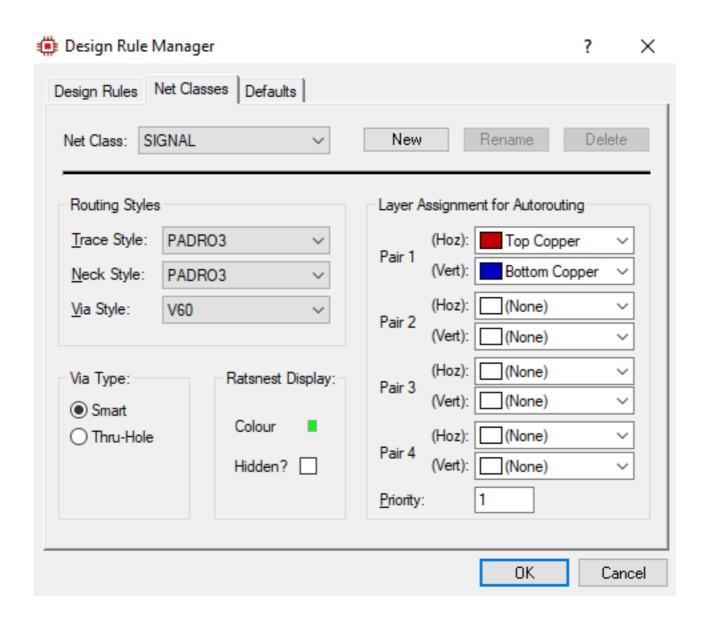


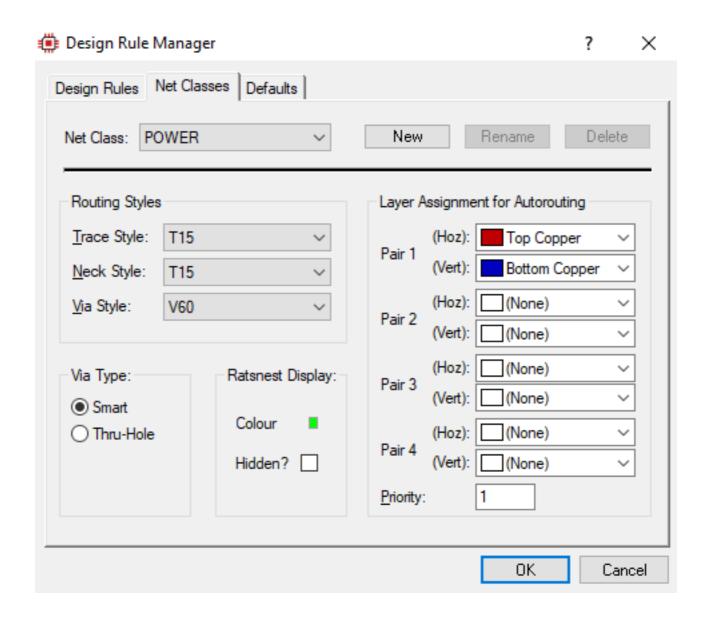












Cargas

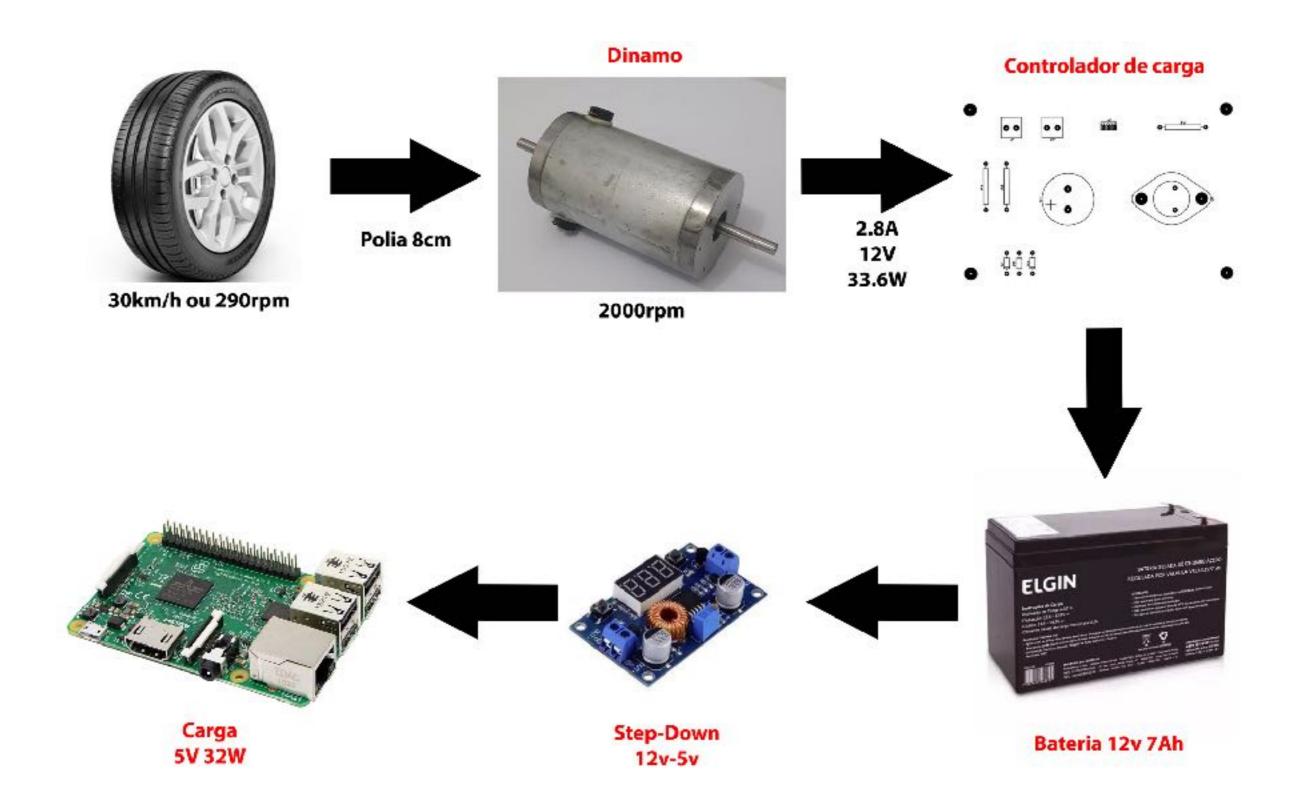
	Quantidade	Tensão (V)	Corrente Total (A)	Potência Total (W)
Microcontrolador	10	5.5	1	5.5
Raspberry Pi	1	5	2.5	12.5
Sensores	10	3.5	0.5	1.75
ESP	1	3.5	0.2	0.7
Lanterna traseira	2	12	1	12

A potência total requerida é de 32.45 W, logo o gerador deverá operar em pelo menos 1900 RPM para conseguir suprir a demanda.

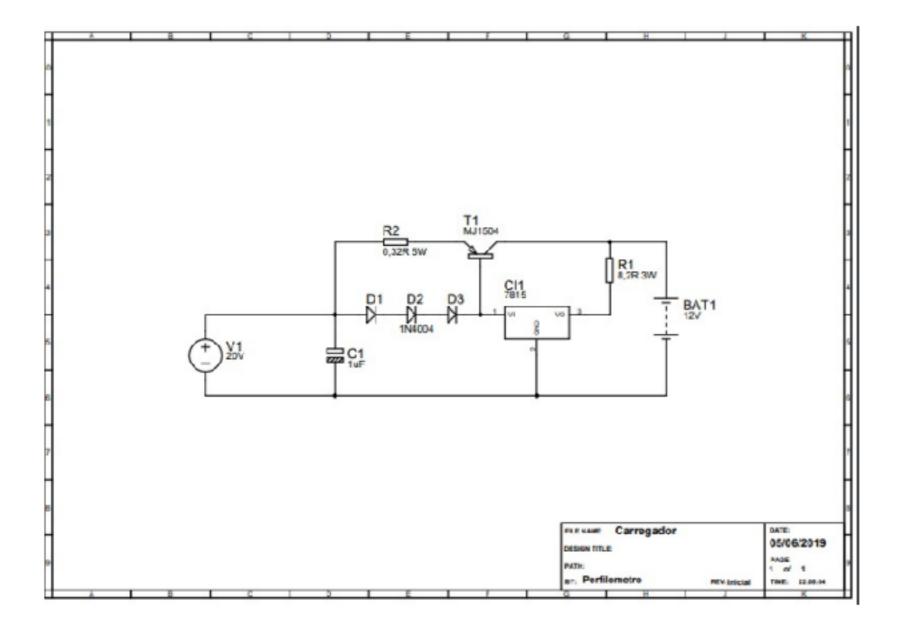


Testes com a polia

RPM	Tensão (V)	Corrente (A)	Potência (W)
3100	14	4.5	63
2340	12.4	3.5	43.4
1700	11	2.5	27.5
1100	8.5	1	8.5
620	7	0.6	4.2

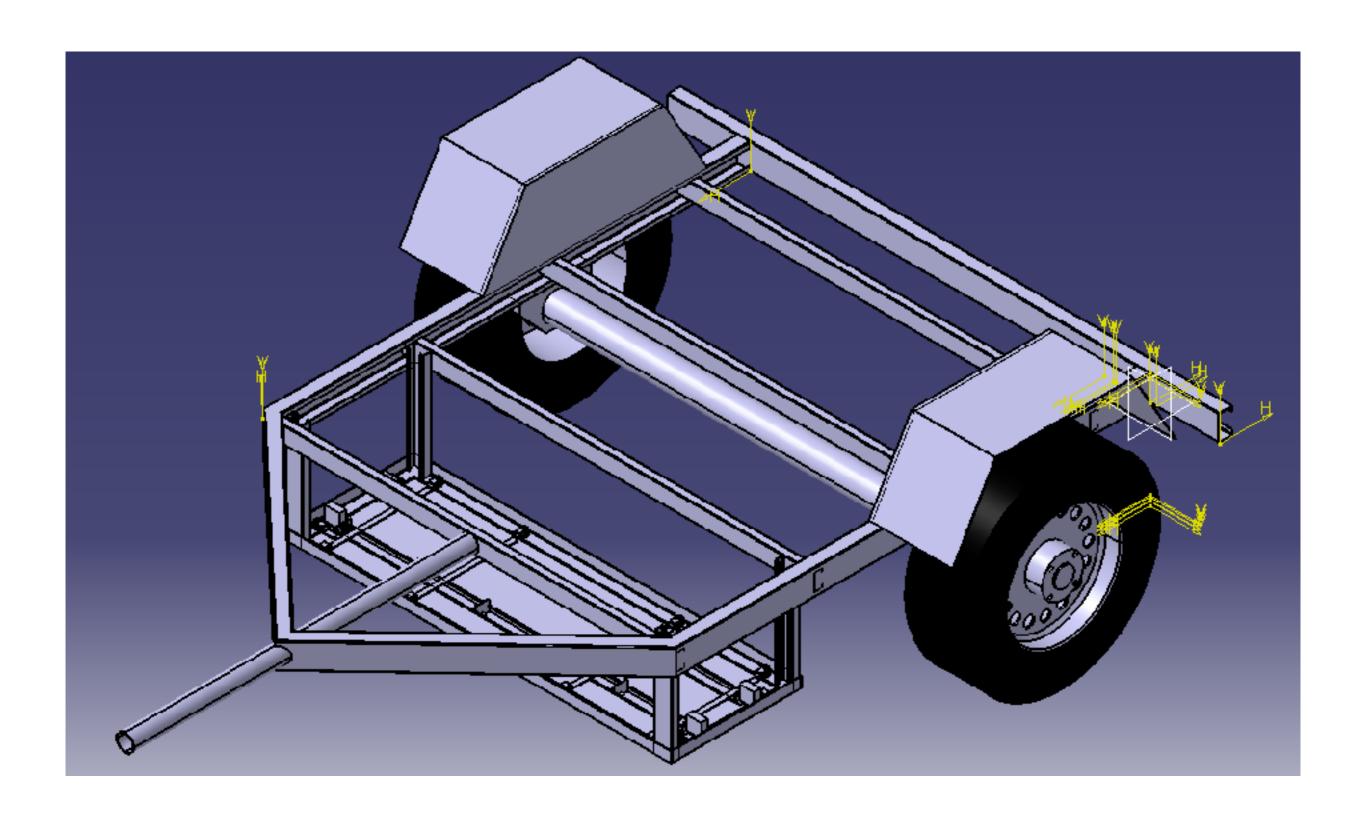


Controlar de Carga

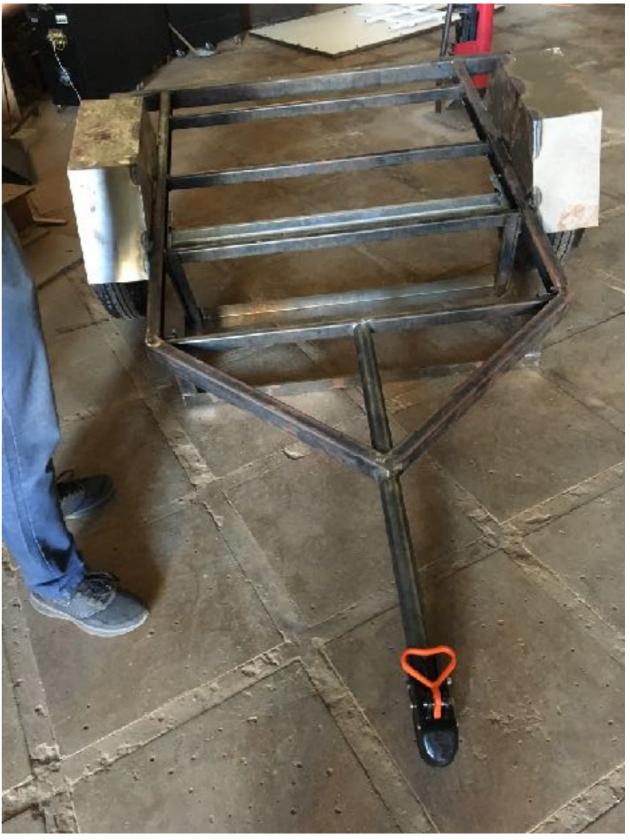


StepDown



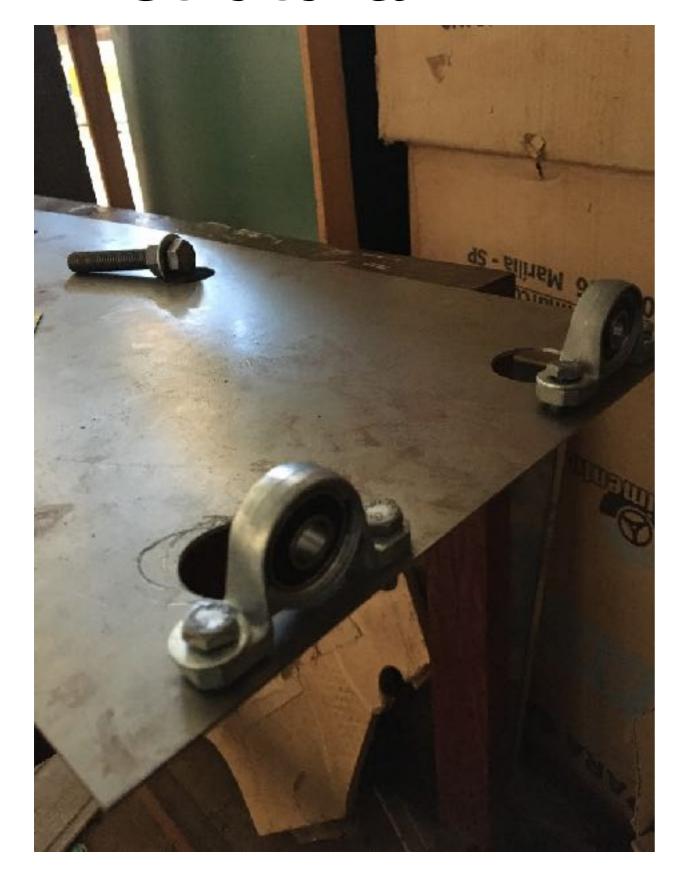














Próximos Passos

Dúvidas?