ELEGOO Smart Robot Car Kit V4.0

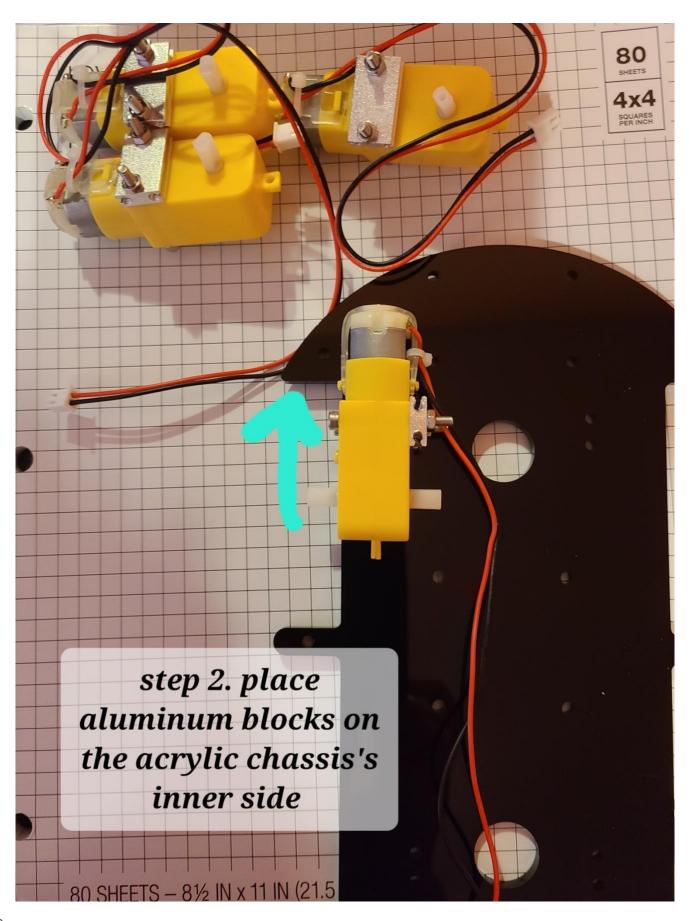
Visual Documentation of Robotic assembly Callyn

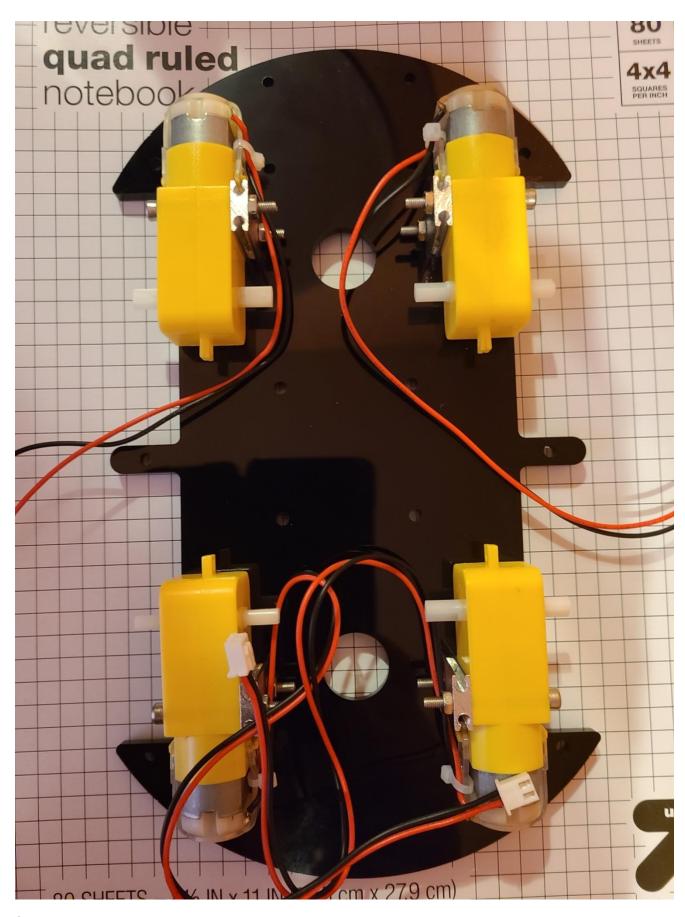
I decided to buy the ELEGOO smart car robotics kit (V4) on amazon to dive a bit into microcontroller programming. The Smart Robot Car kit comes in a nice plastic box with top layer organizer and includes assembly instructions along with a link to the demo tutorial/programs. I was particularly interested in learning more about the Arduino since I've dabbled with this tiny but powerful microcontroller back in 2020.

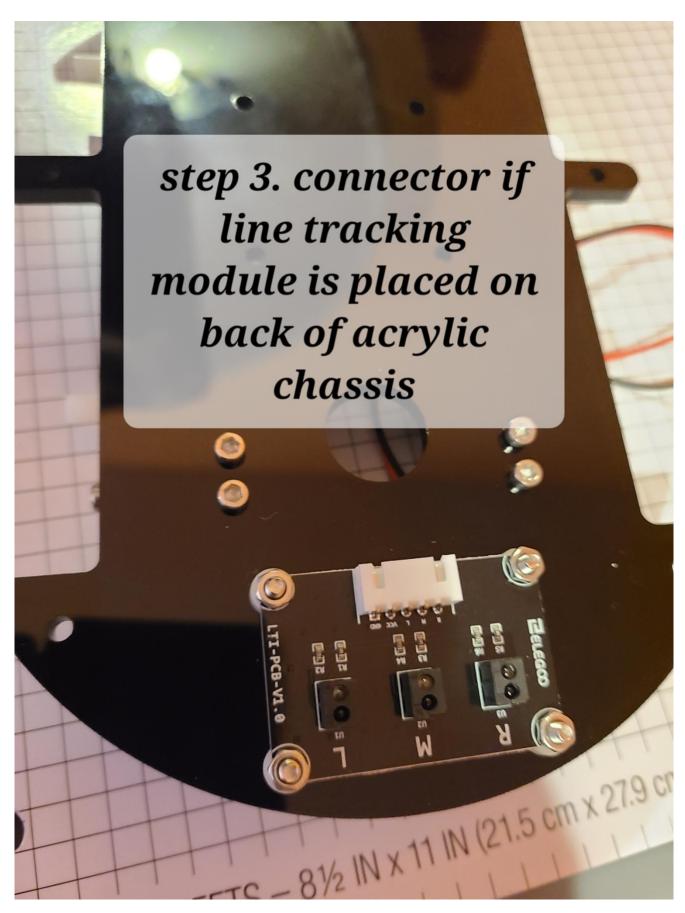
The Arduino UNO is a low-cost, flexible, and easy-to-use programmable open-source microcontroller board that can be integrated into a variety of electronic projects. This board can be interfaced with other Arduino boards, Arduino shields, Raspberry Pi boards and can control relays, LEDs, servos, and motors as an output.

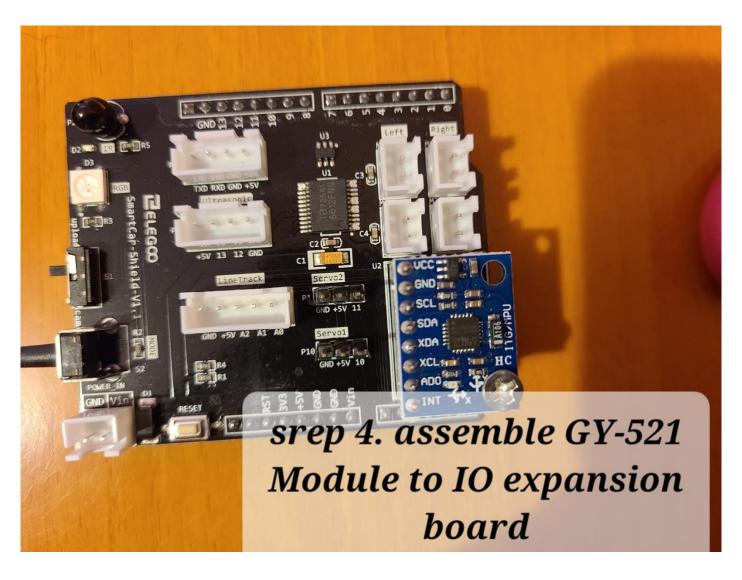
Arduino UNO features AVR microcontroller Atmega328, 6 analogue input pins, and 14 digital I/O pins out of which 6 are used as PWM output.

I wanted to document this before I started programming the robotic car for learning purposes.



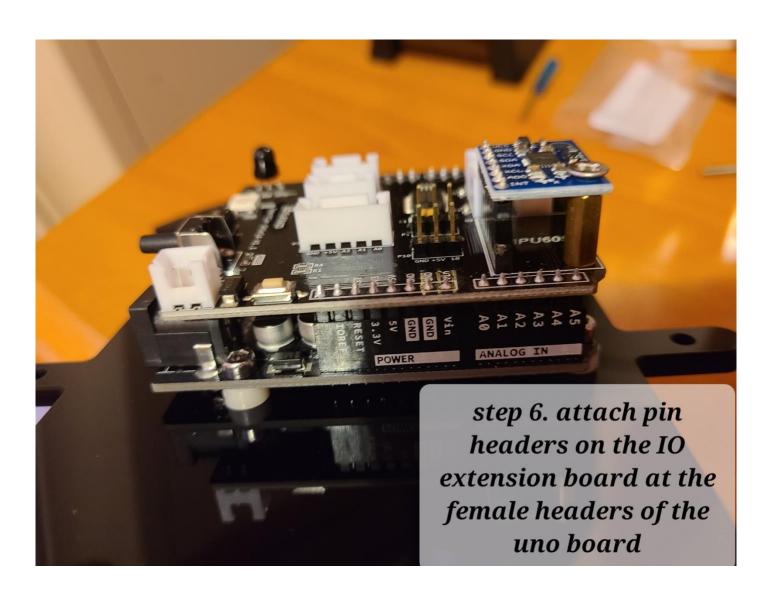






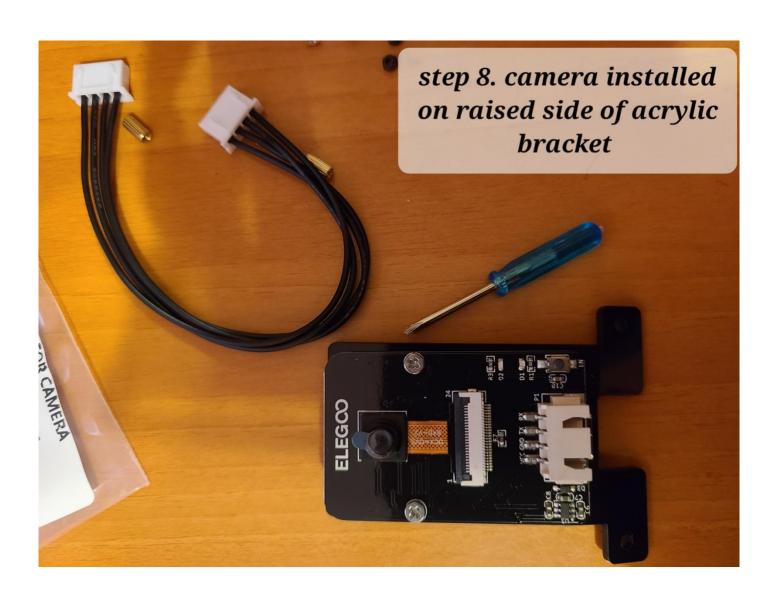
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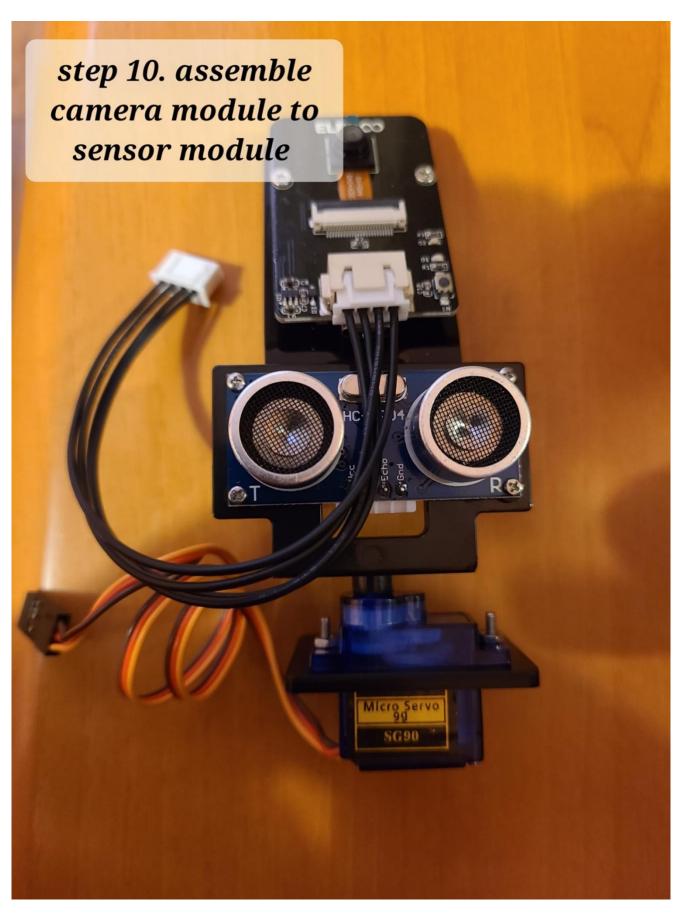


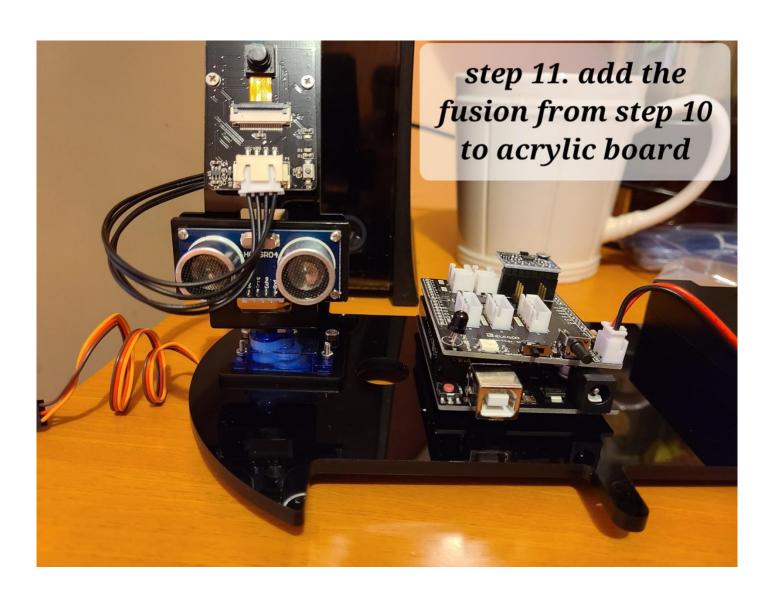


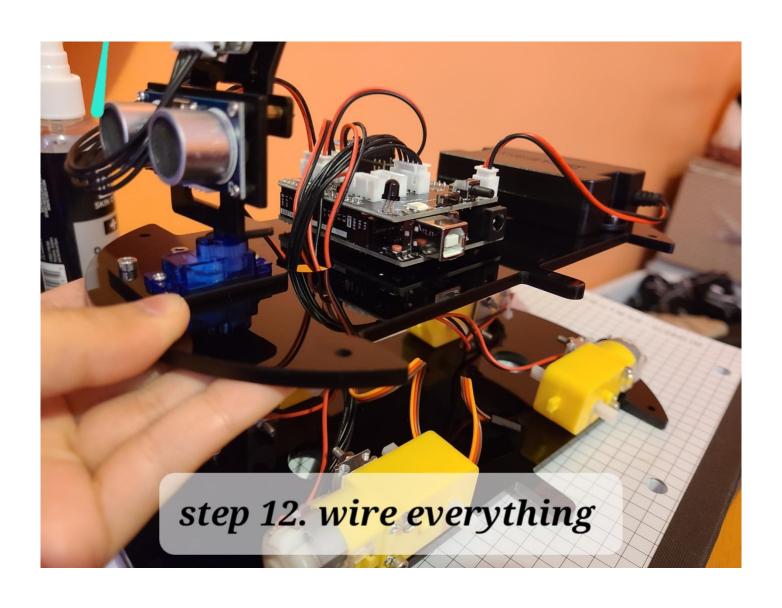


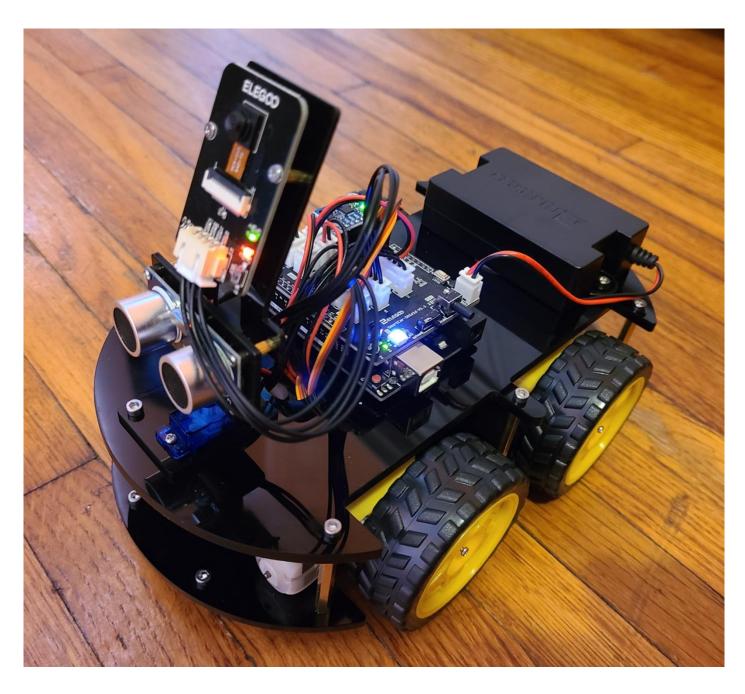












Finished result!