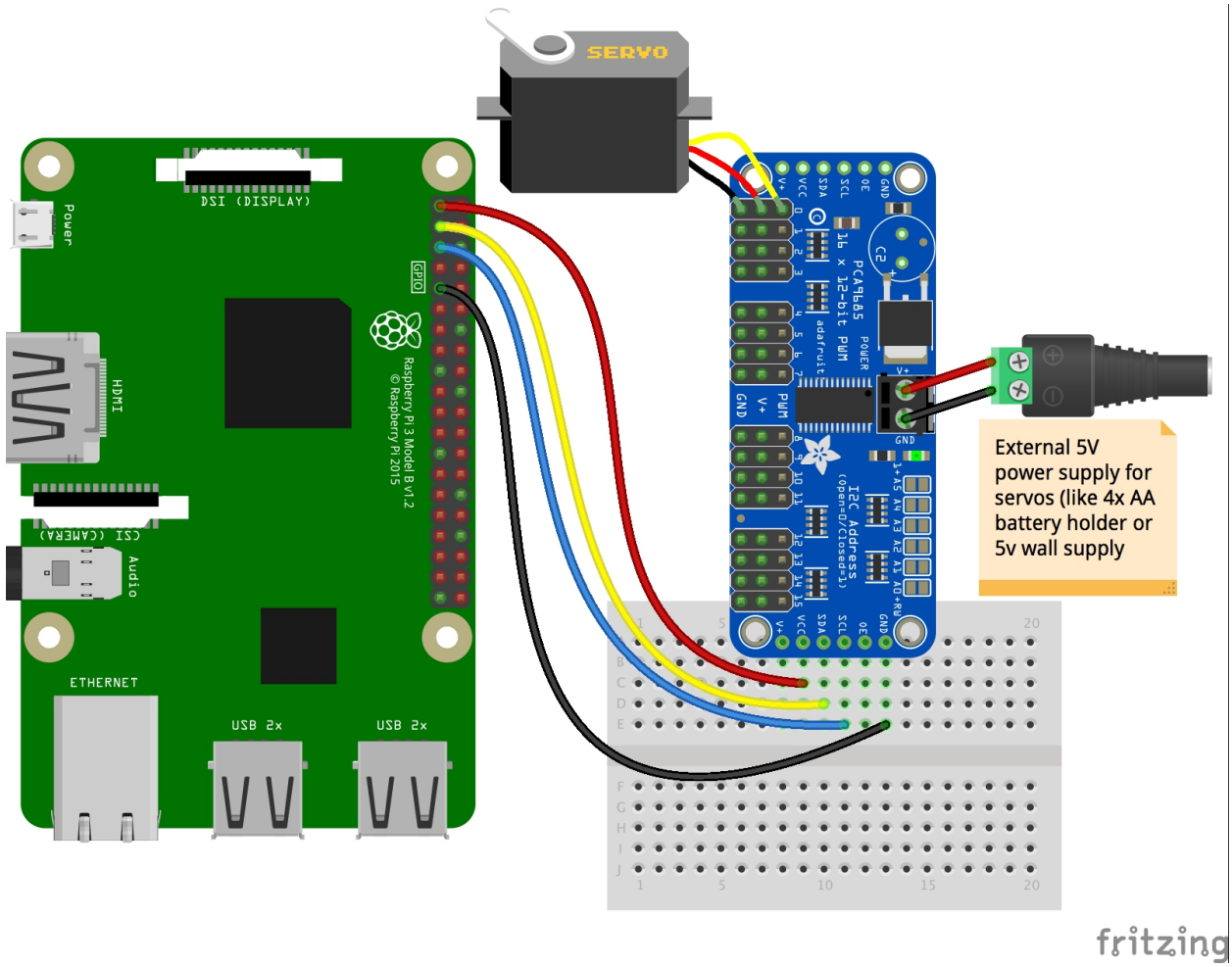
Starting position: everything disconnected, not connected to any power sources. Do not remove any of the current wiring, plugging it in and out might bend the pins.

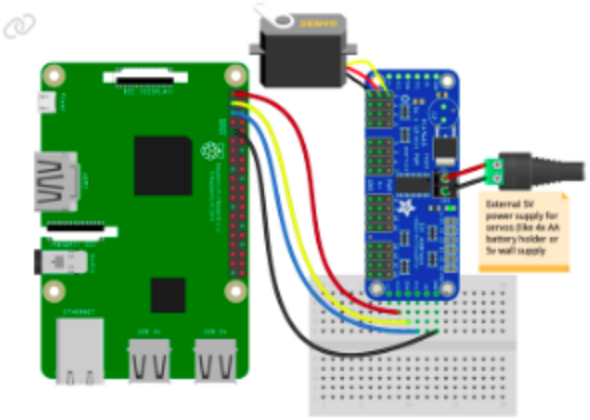
S1: Connect Camera to RPI (remember to remove the lid before plugging it in)

S2: Connect the PCA9685 to Raspberry Pi



Source: Link
Visualizer video: Link

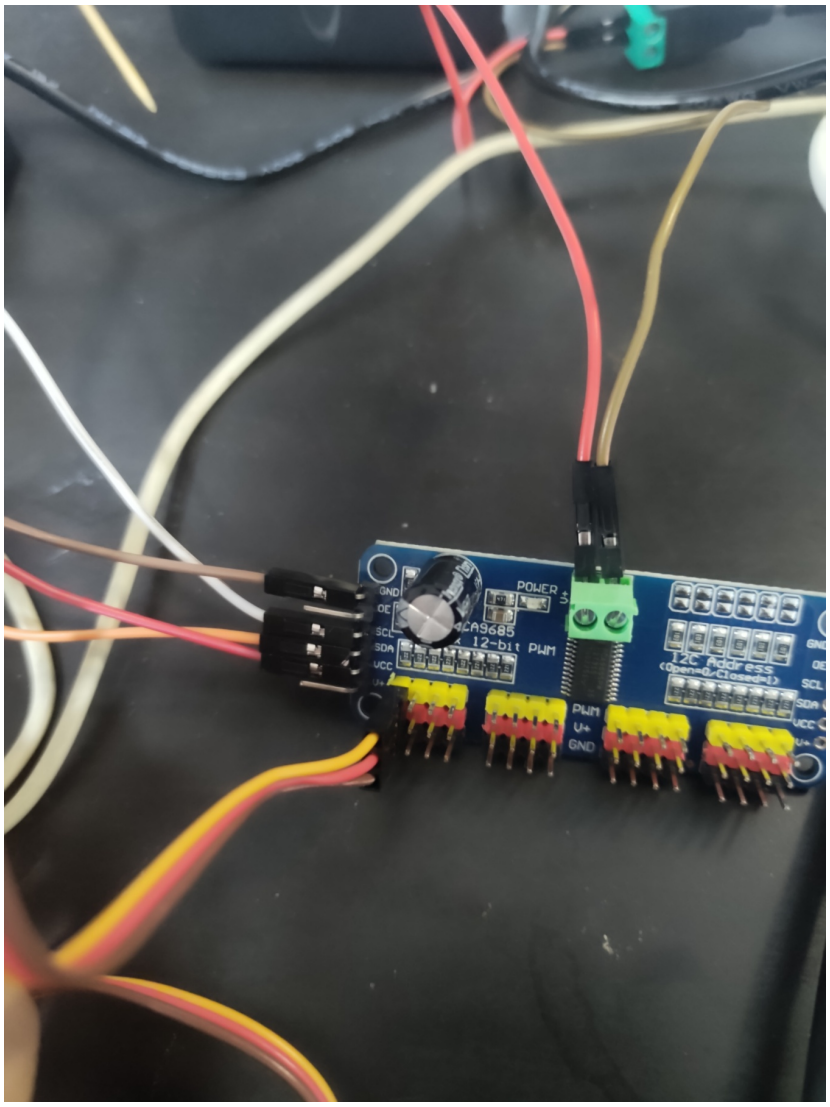
The easiest way to hook the servo breakout up to your Pi is using a breadboard and connecting it to the Pi using I2C:



- **Pi 3V3** to **breakout VCC**
- **Pi GND** to **breakout GND**
- **Pi SCL** to **breakout SCL**
- **Pi SDA** to **breakout SDA**
- **Servo orange wire** to **breakout PWM on channel 0**
- **Servo red wire** to **breakout V+ on channel 0**
- **Servo brown wire** to **breakout Gnd on channel 0**

Check your servo's datasheet to verify which wires go to which pin!

S3: Connect Servo motors to the PCA. The index of the motor is from left to right, starting from 0.



S4: Connect RPI to screen, keyboard, and power source. Pls ignore the cpu fan, thereby starting the RPI. U should see both circuits light up. Wait till the RPI is completely on.

S5: Connect 6V-1A converter-charger to the PCA. Plug it in any generic 240V plugging holes

S6: To Turn off. Turn off on using the gui first, then wait till yellow light on the board turns off, then unplug.