



1. The computer, the RP2040, and the APDS9960 are connected.
2. The APDS9960 detects changes of the brightness (c) and colors (r, g, b).
3. The RP2040 receives signals from the APDS9960, and changes the brightness and colors of the RGB LED.
4. The computer receives signals from the RP2040. "Bright" is typed when the brightness increases (removing hand from the APDS9960), and "dim" is typed when the brightness decreases (covering the APDS9960).
5. When the APDS9960 detects that the red light is dominant (such as $r > 1.5 * (g + b)$), the program stops. So I can stop the program by shining red light.