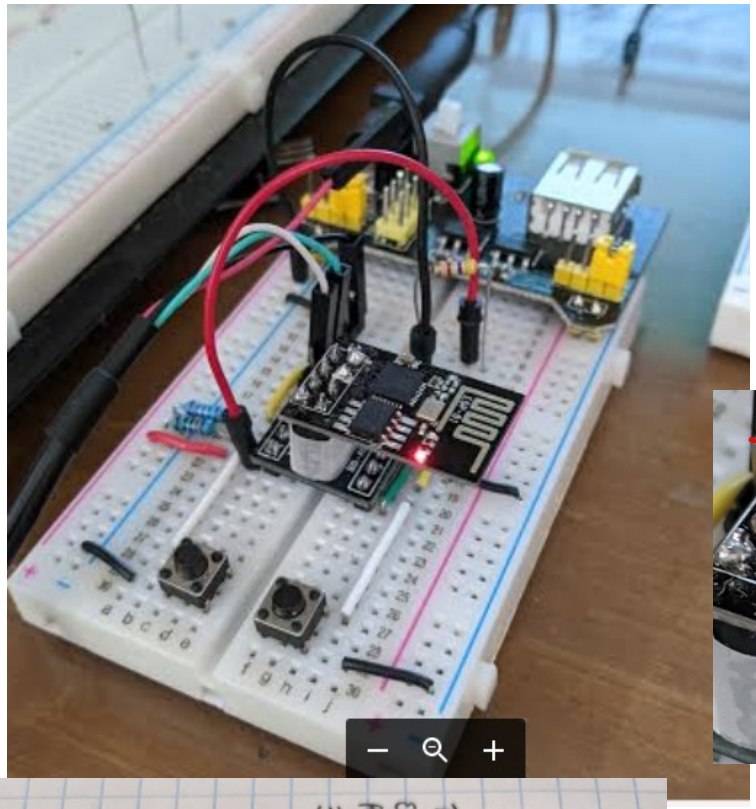
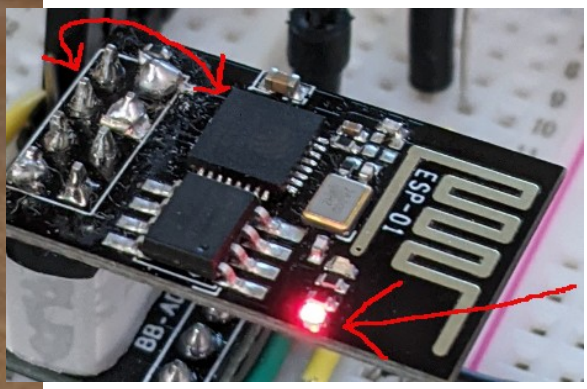
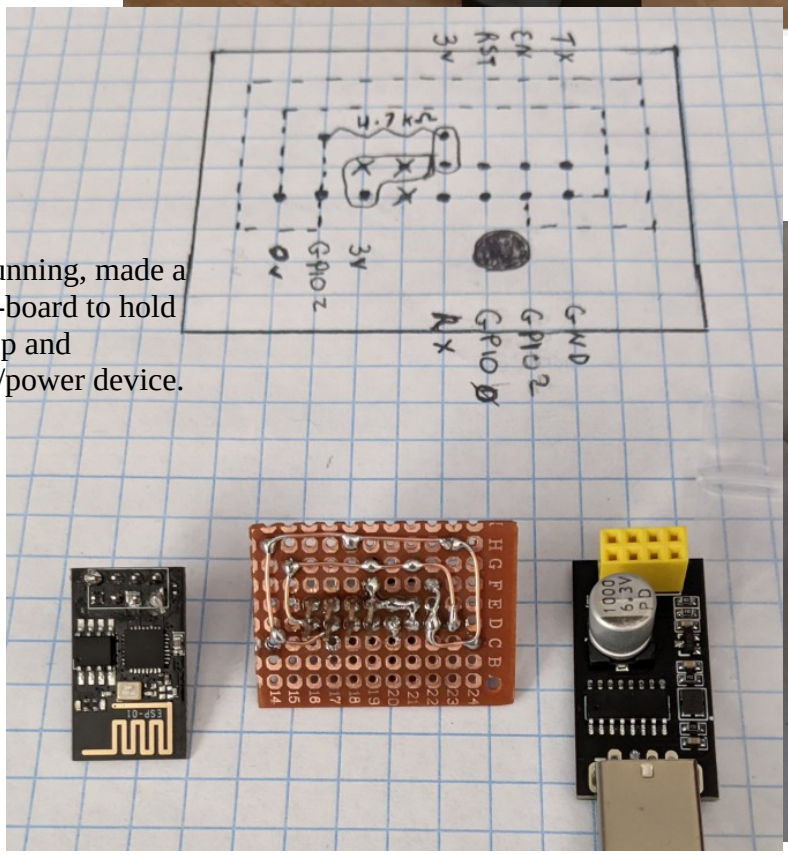
This setup is for programming, buttons to place into programming or run mode.



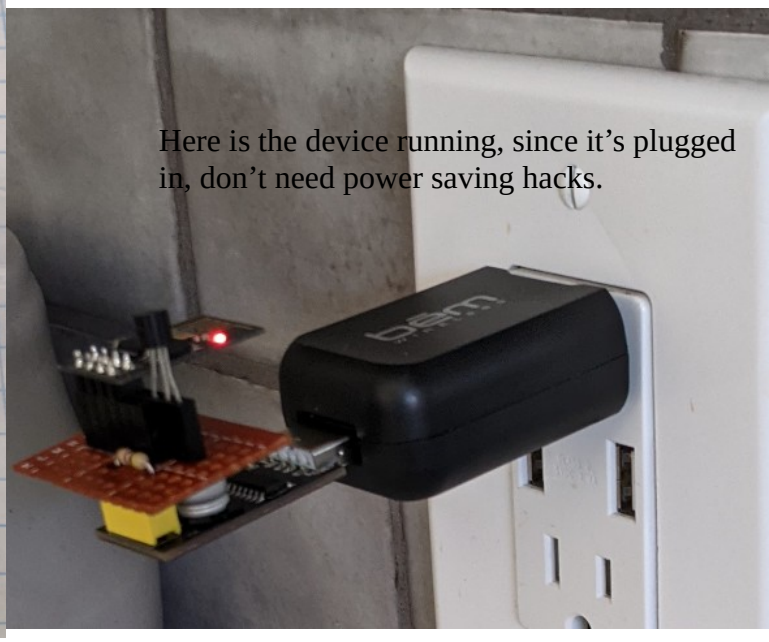
For deep sleep hack, would need to d-solder the led and solder a thin 28awg between chip pin and reset pin of esp.



For running, made a proto-board to hold the esp and serial/power device.



Here is the device running, since it's plugged in, don't need power saving hacks.



This is what is being logged to web server, one sensor in bathroom, one in kitchen. Error on esp 2 because I don't have a temp sensor inserted into header.

```
root@nuc_docker:/usr/lib/cgi-bin# tail -f /tmp/test.txt
2021-04-12 20:35:49.492283      {"mp_name":"esp8266-01-2", "ssid":"AlexRoom-2.4", "ip_address":"192.168.1.224", "err_temp_read":"Faild to read sensor"}
2021-04-12 20:42:30.247765      {"mp_name":"esp8266-01-1", "ssid":"OurNetwork2.4", "ip_address":"192.168.1.160", "temperature_F":"75.54"}
2021-04-12 20:45:53.730014      {"mp_name":"esp8266-01-2", "ssid":"AlexRoom-2.4", "ip_address":"192.168.1.224", "err_temp_read":"Faild to read sensor"}
2021-04-12 20:52:42.004988      {"mp_name":"esp8266-01-1", "ssid":"OurNetwork2.4", "ip_address":"192.168.1.160", "temperature_F":"75.54"}
2021-04-12 20:55:57.990051      {"mp_name":"esp8266-01-2", "ssid":"AlexRoom-2.4", "ip_address":"192.168.1.224", "err_temp_read":"Faild to read sensor"}
2021-04-12 21:02:53.729877      {"mp_name":"esp8266-01-1", "ssid":"OurNetwork2.4", "ip_address":"192.168.1.160", "temperature_F":"75.31"}
2021-04-12 21:06:02.248889      {"mp_name":"esp8266-01-2", "ssid":"AlexRoom-2.4", "ip_address":"192.168.1.224", "err_temp_read":"Faild to read sensor"}
```