



The Ultimate LED Multitool

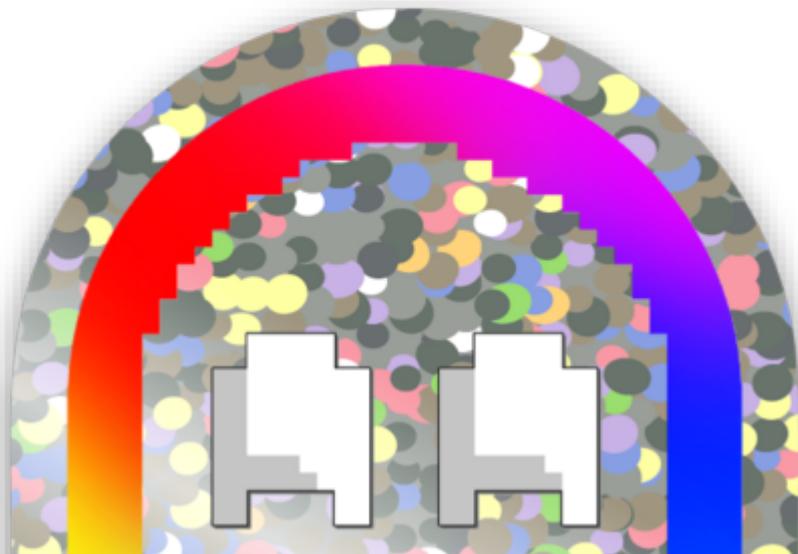
See and make epic LED art.

How a cheap \$1 WiFi microcontroller + can light up your world. Example projects like wearables, vehicles, signs, smart home lighting, etc. Control and interact examples then set up and build your own!

Exhibited at [Open Sauce 2024](#) ([archive](#)) by Tim O'Brien and Alice Fares, two superfans of WLED.

Links!

- [WLED GitHub](#)
- [install.wled.me](#)
web page flash tool
- Or my custom
forked



[OpenSauce2024 installer](#)

- Runs this custom configured WLED version with a few default settings like rainbow effect. Source code ([on github](#))!
 - [WLED Discord](#) for projects, help, etc
 - [WLED Reddit](#) for great projects/discussions
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Kit items given out

- Microcontroller used: ESP8266 D1 Mini. See "WLED Controllers" below!
- LEDs: WS2812B "Dream Color" from [aliexpress](#)
 - High density 1.5mm-spacing are the best LEDs for most projects, that's what was on my hat, staff, jacket, etc!
 - Lower density 5cm spacing, 50m is what I gave out.

LEDs running the booth:

- Sign LEDs:
 - "W" WS2812B Neon Sign Light 2M, 5V DC from [amazon](#)
 - "LE" WS2812B 1.5cm spacing from same listing: [aliexpress](#) (also used in LED staff)
 - "D" WS2812B COB LEDs, 720Leds/m 12V from [aliexpress](#)
 - Also used: WS2812B 144/m from [aliexpress](#)
- LEDs on the table:
 - On my helmet: "WS2812B COB LED 5V 332 LEDs", from [aliexpress search](#)
 - Build details / gallery [here on imgur](#)
 - Science Goggles LEDs: "150LEDs/50cm/ WS2812C-2020" from [aliexpress](#)
- cool hat: [aliexpress](#)

WLED Controllers

- Promising new WLED all-in-one controller (haven't tried it yet) [aliexpress](#)
 - has built in mic, should work with new WLED sound-reactive features!
- ESP32 Mini WROOM-32 was running the sign, something like this [aliexpress](#)
 - What I used for the 800 individually addressed LEDs in the WLED sign
- C3 Pico has onboard charging [aliexpress](#)
 - runs my staff / jacket / etc
- Classic D1 Mini for helmet/goggles/etc [Aliexpress](#)
 - not ideal for new designs .. but super inexpensive!



Cool AI QR Code generator

- [QR BTF](#) is what I used!
 - (Free for 10 generations/day)
 - Some examples used in the booth:
 - [Fairy](#)
 - [Vase](#)
 - [Flowers](#)
 - [Machine](#)
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About me!

2024 Booth by Tim O'Brien and Alice Fares! We're superfans of WLED and use it everywhere.

- Follow Tim
 - [Instagram](#)
 -  [Printables](#) for my 3D designs
 - [Signal](#) or [Telegram](#)

Donate?

This booth was put-on for fun by me working solo! \$200 of stickers, \$200 of given-away LEDs + micros. If you want to donate to help cover costs, I'd appreciate it!

- [Paypal](#)
-  [Buy me a coffee](#)

all hosting powered by my [Open Solar Project](#) ☀

see my [realtime solar status here](#)

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