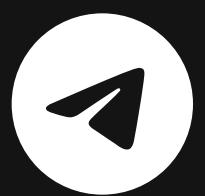


A personal story:

How LEDs can  
be magical - and  
a great entry to  
industrial design



Feel free to  
message me:



glowingkitty



marco@glowingkitty.com

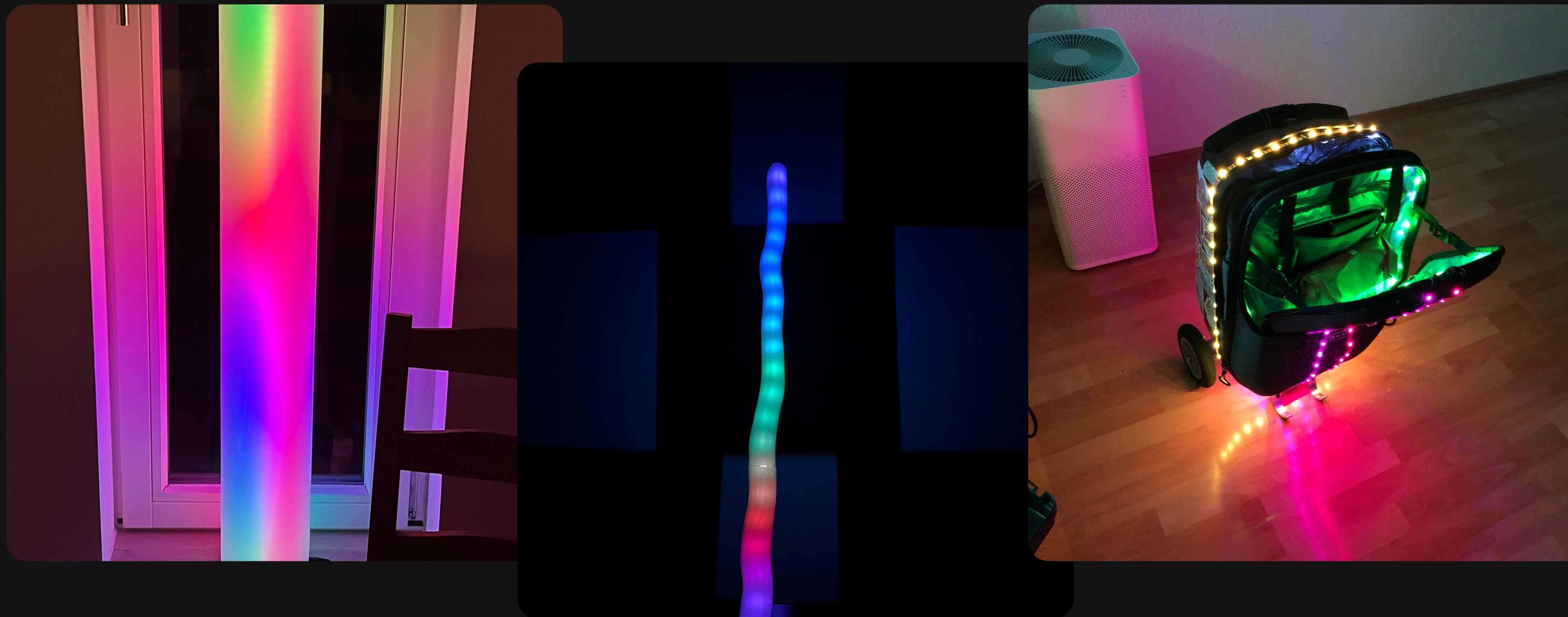


deutsch, english

Why  
glowingkitty?

[glowingkitty.com](http://glowingkitty.com)

# glowingkitty



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# glowingkitty



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Let's talk about LEDs,  
industrial design  
& open hardware.

[glowingkitty.com](http://glowingkitty.com)

# My life before LEDs

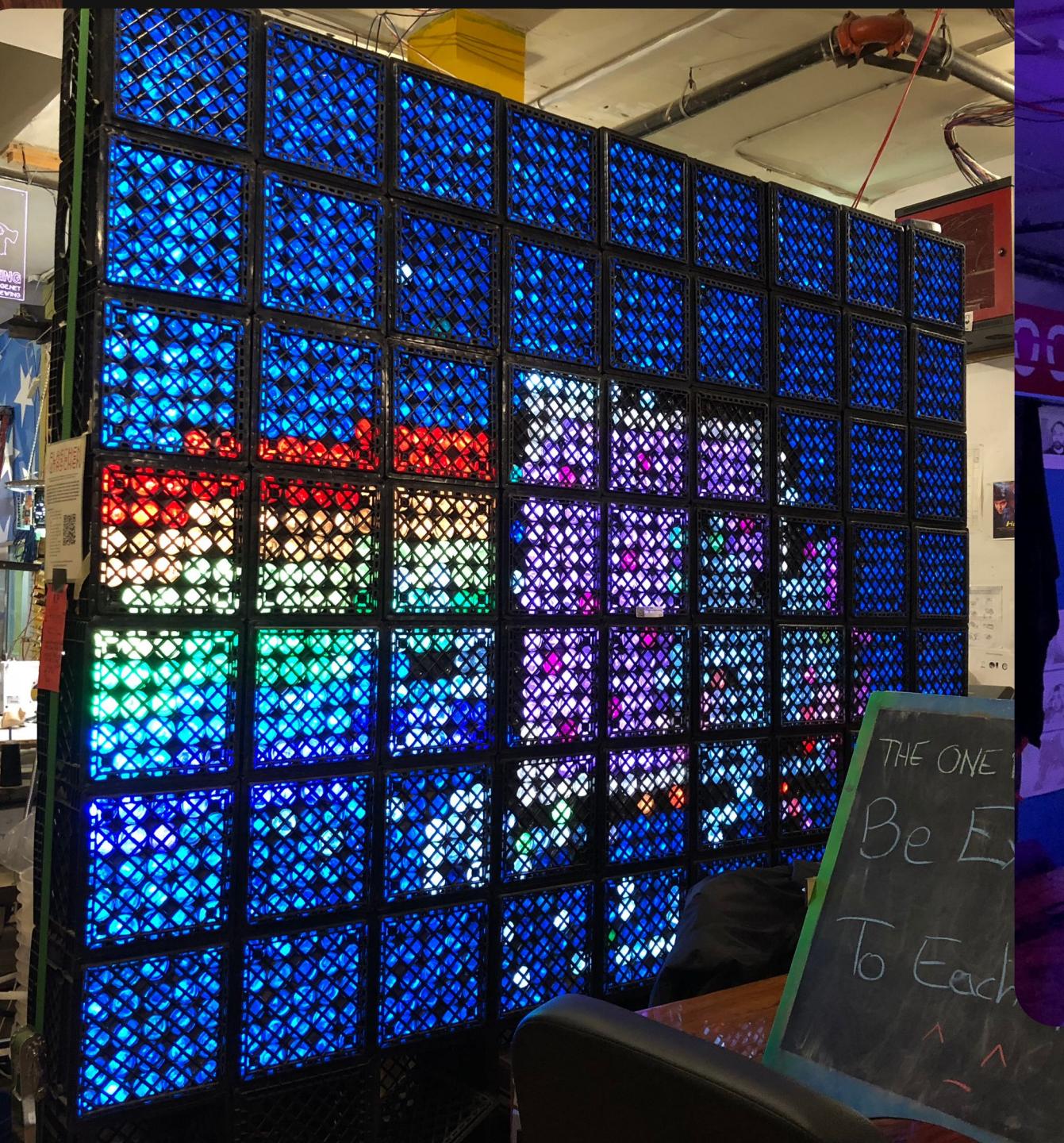
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# I always had my own projects



How I got excited about LEDs -  
and the first projects I built

# 2016 - Hackspace



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# 2018 - Burning Man



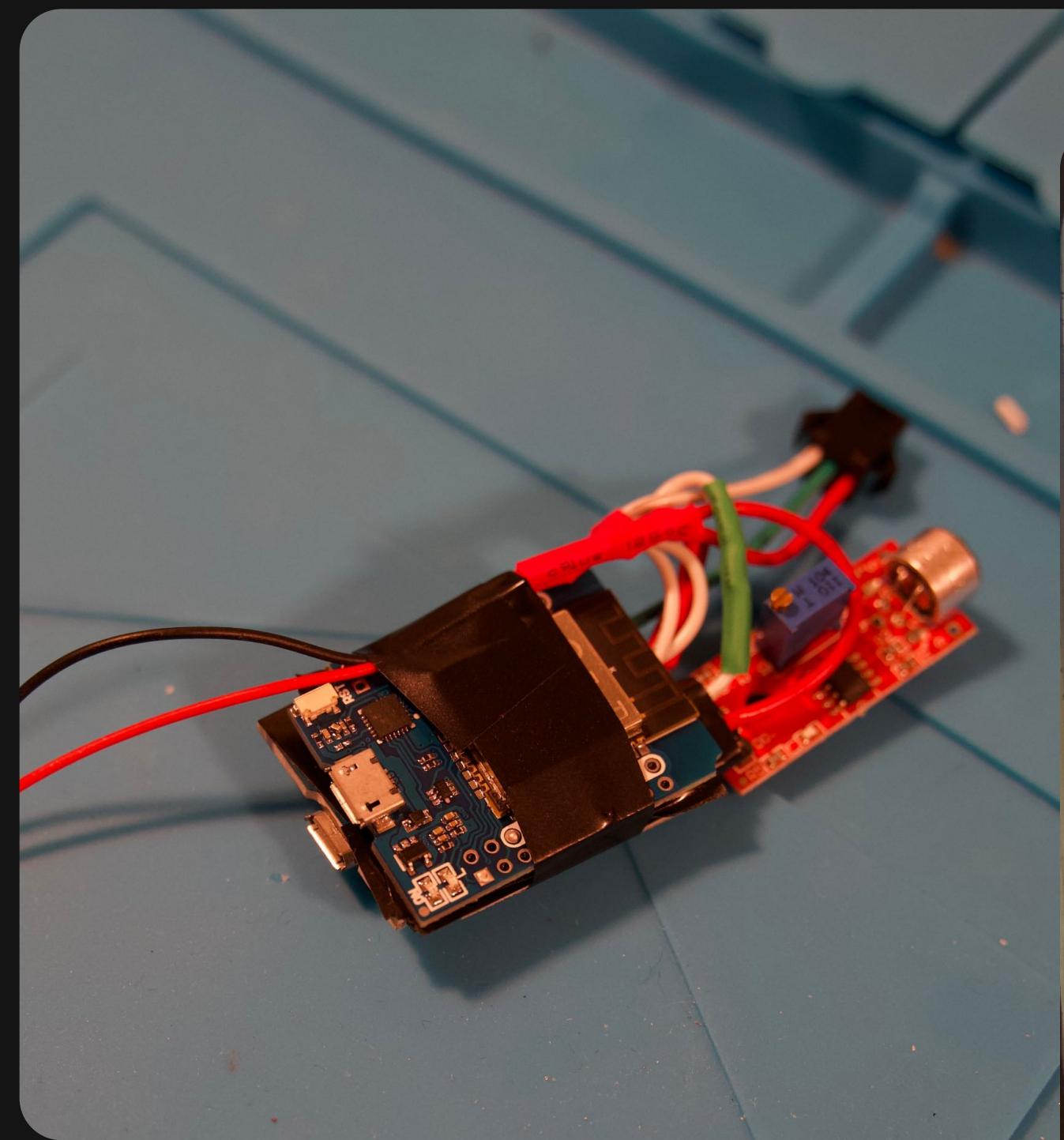
# My first LED projects



# Going from Buy to DIY

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# 2020

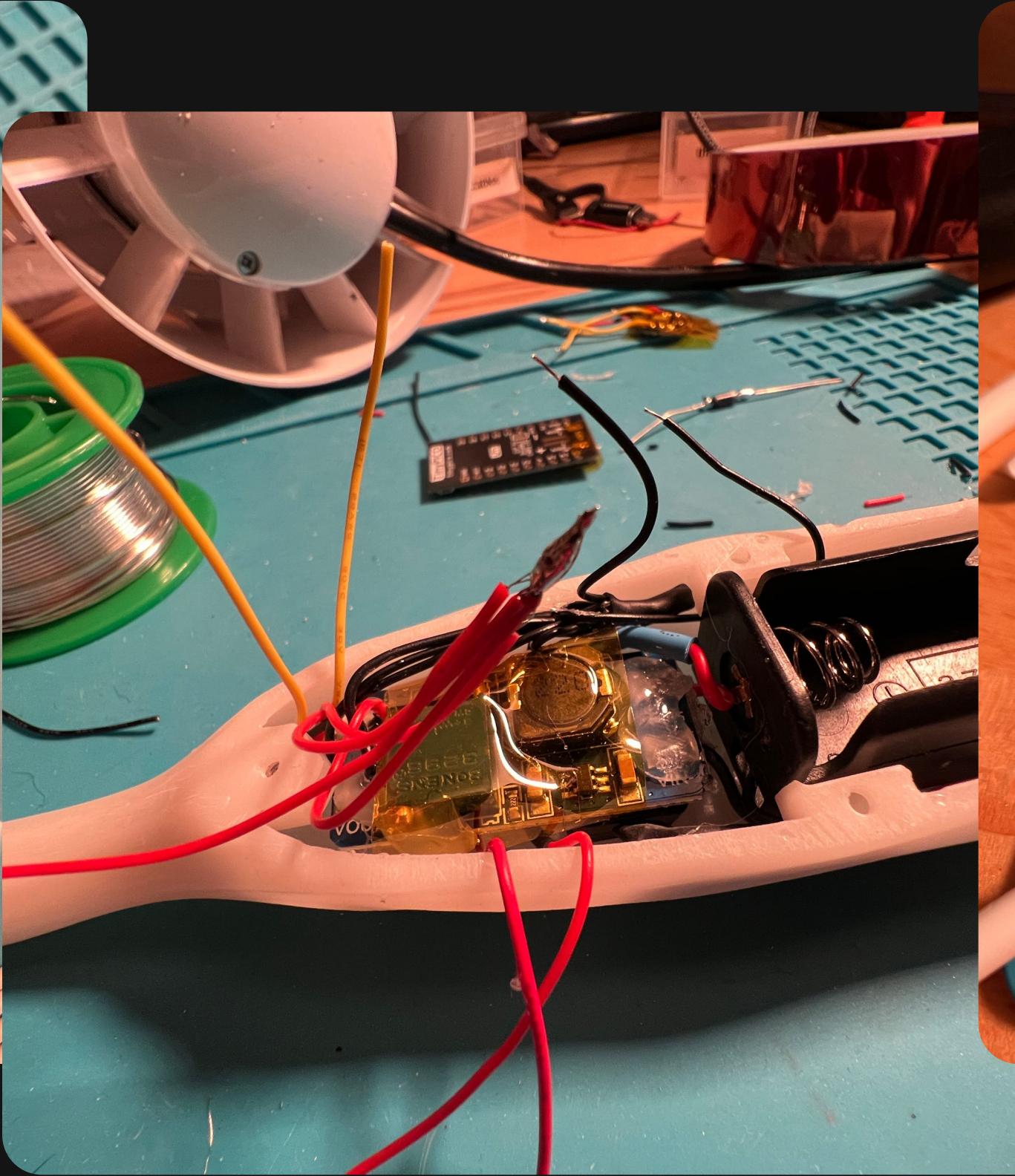
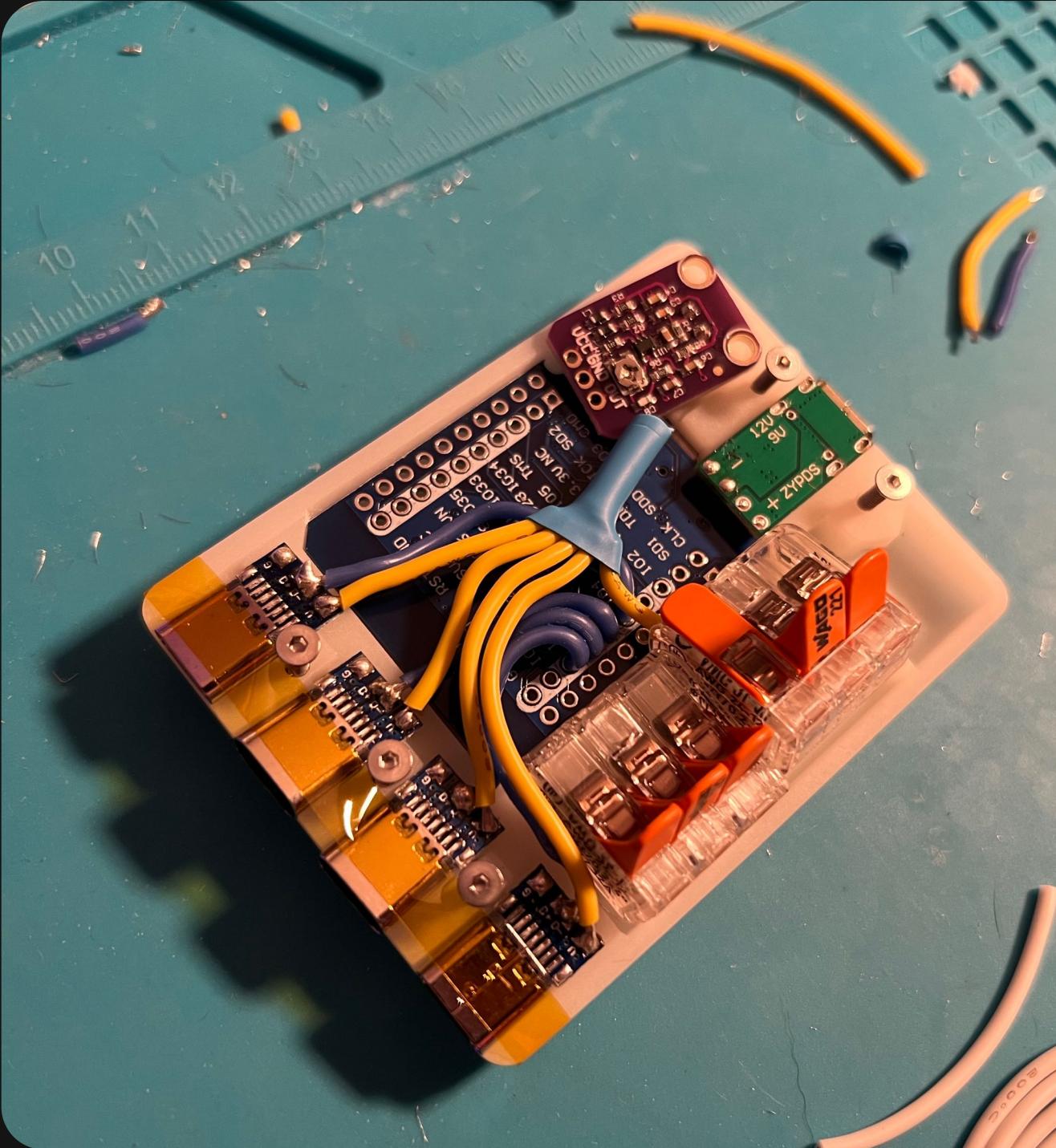


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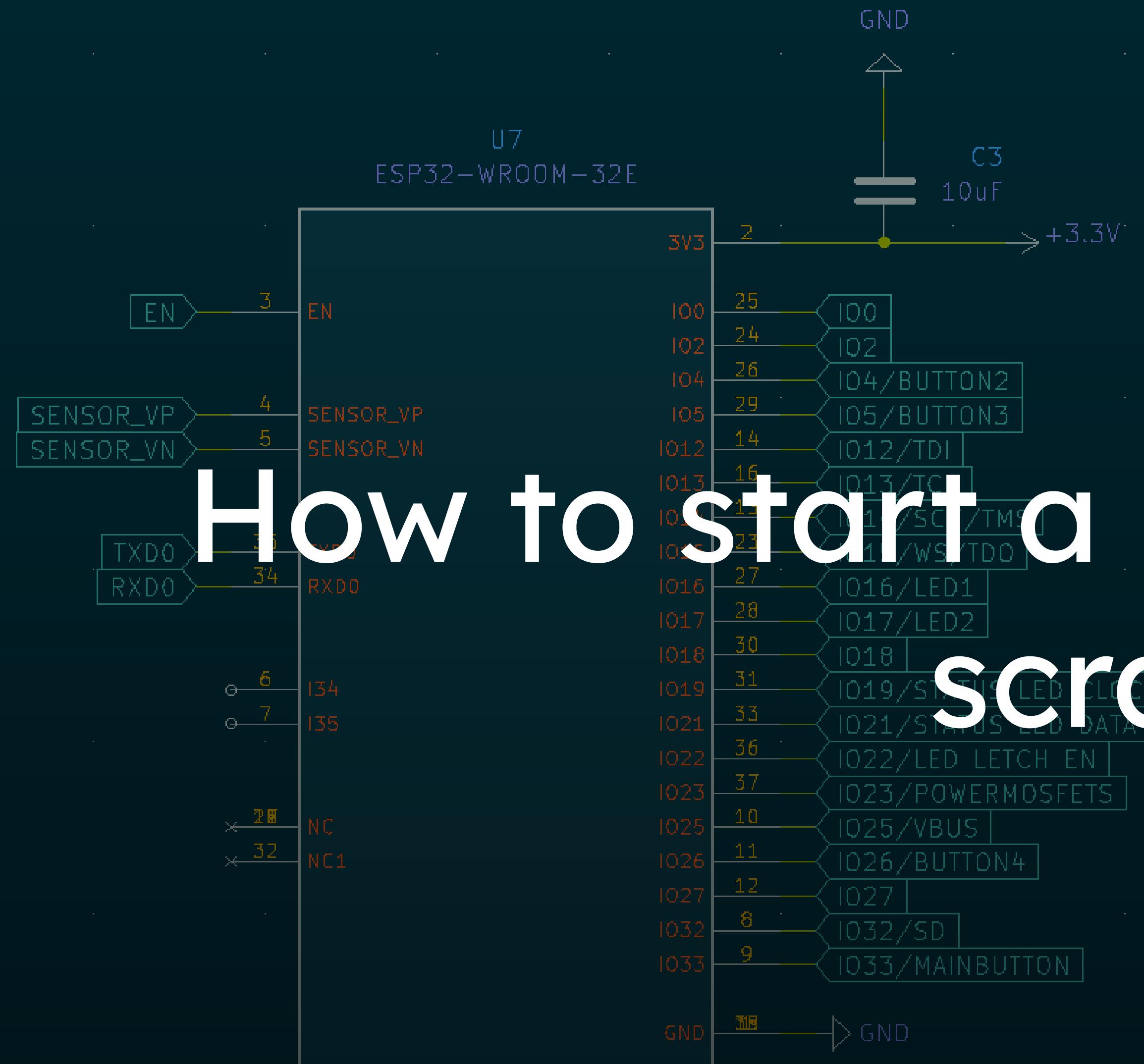
Let's build it properly

[glowingkitty.com](http://glowingkitty.com)

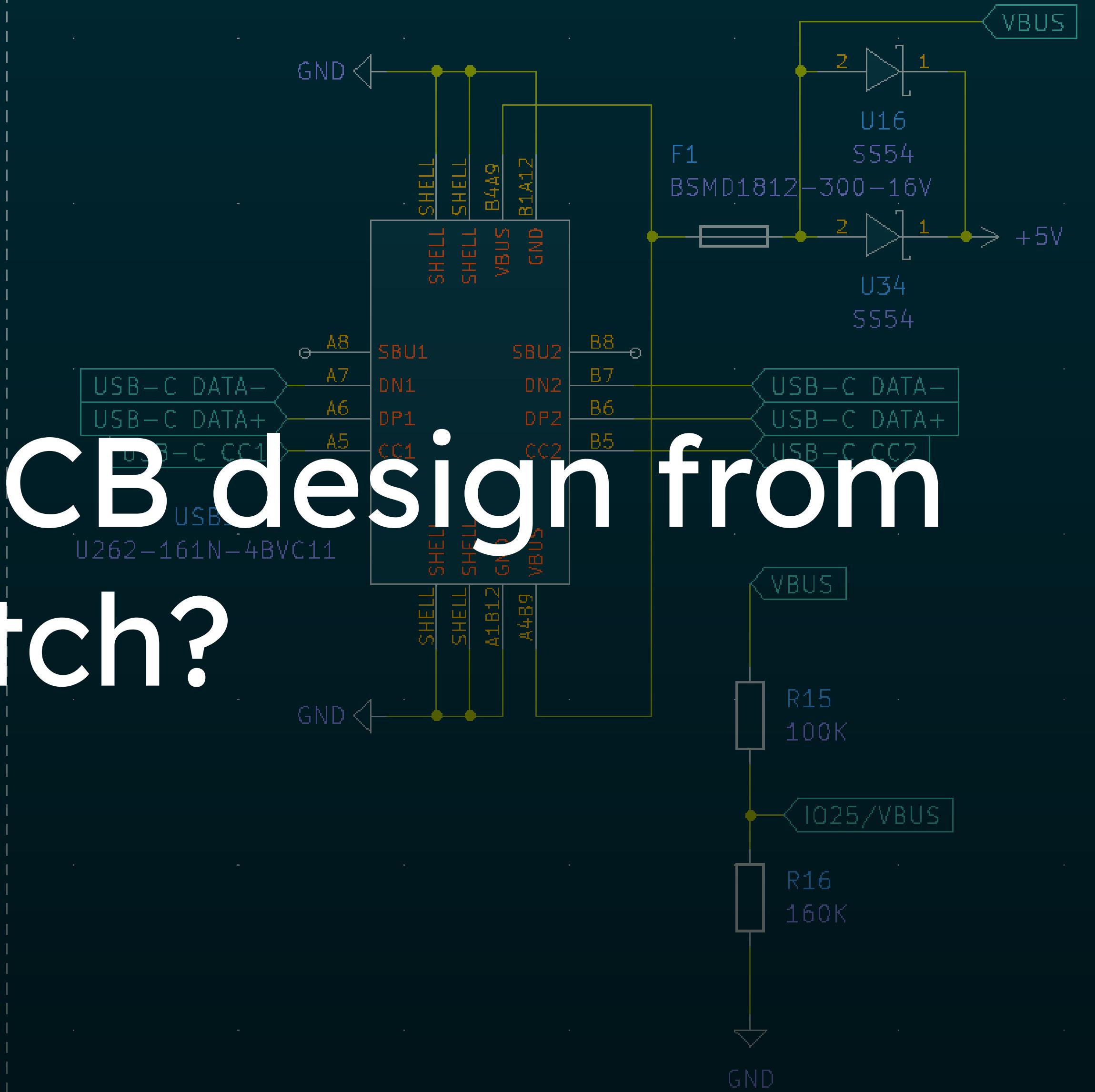
# Jan 2022



ESP32



# How to start a PCB design from scratch?



glowingkitty.com

# Open Source to the rescue!

[glowingkitty.com](http://glowingkitty.com)

The image displays three separate browser windows side-by-side:

- Top Left:** A GitHub page for the Adafruit ESP32 Feather V2 PCB. It shows a photograph of the physical board, a link to purchase it from Adafruit, and a note about the PCB files being in EagleCAD format.
- Bottom Left:** The KiCad EDA website, featuring a large image of a complex circuit board and sections for "Schematic Capture" and "Board Layout".
- Top Right:** A web-based installer for WLED. It features a graphic of five LED lights spelling out "WLED" and a form to enter the COM port for installation.

glowingkitty.com

+ help from fellow hackers

[glowingkitty.com](http://glowingkitty.com)

My projects are also open source.  
So others can build new projects  
easier & faster.



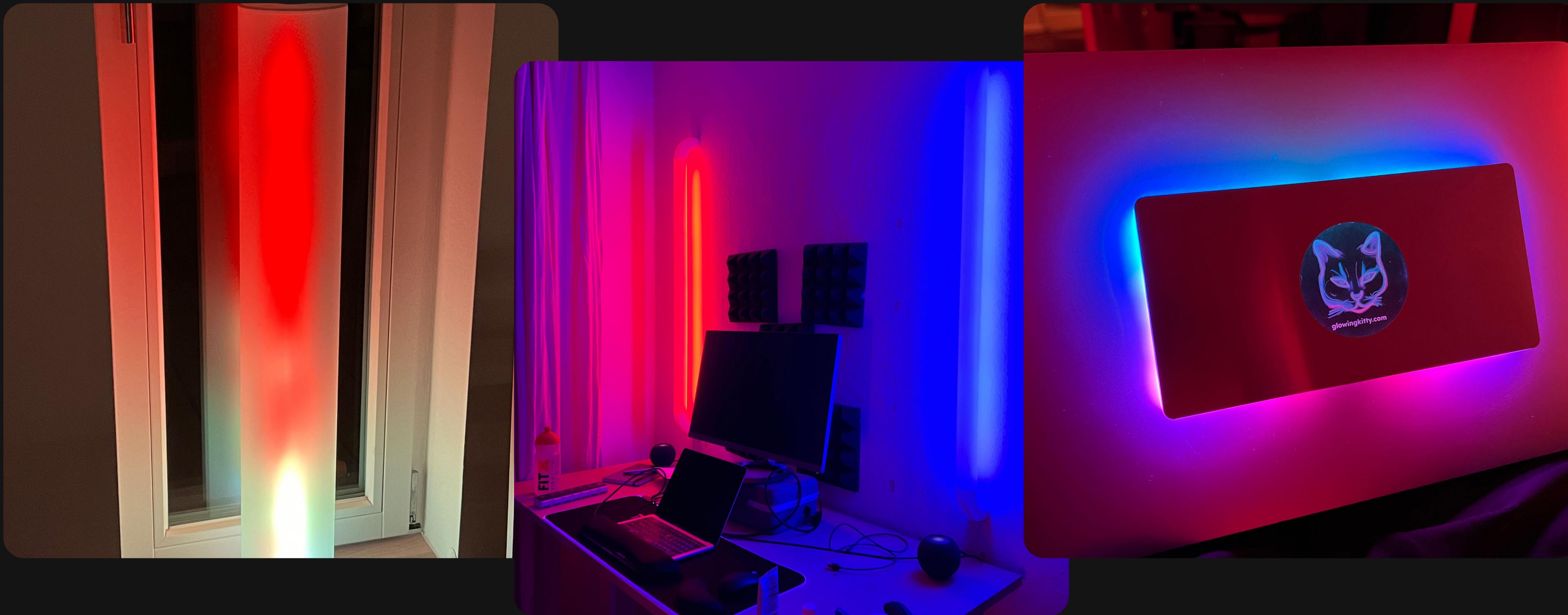
[git.glowingkitty.com](https://git.glowingkitty.com)

[glowingkitty.com](http://glowingkitty.com)

Learning:  
**Everything is better with LEDs!**

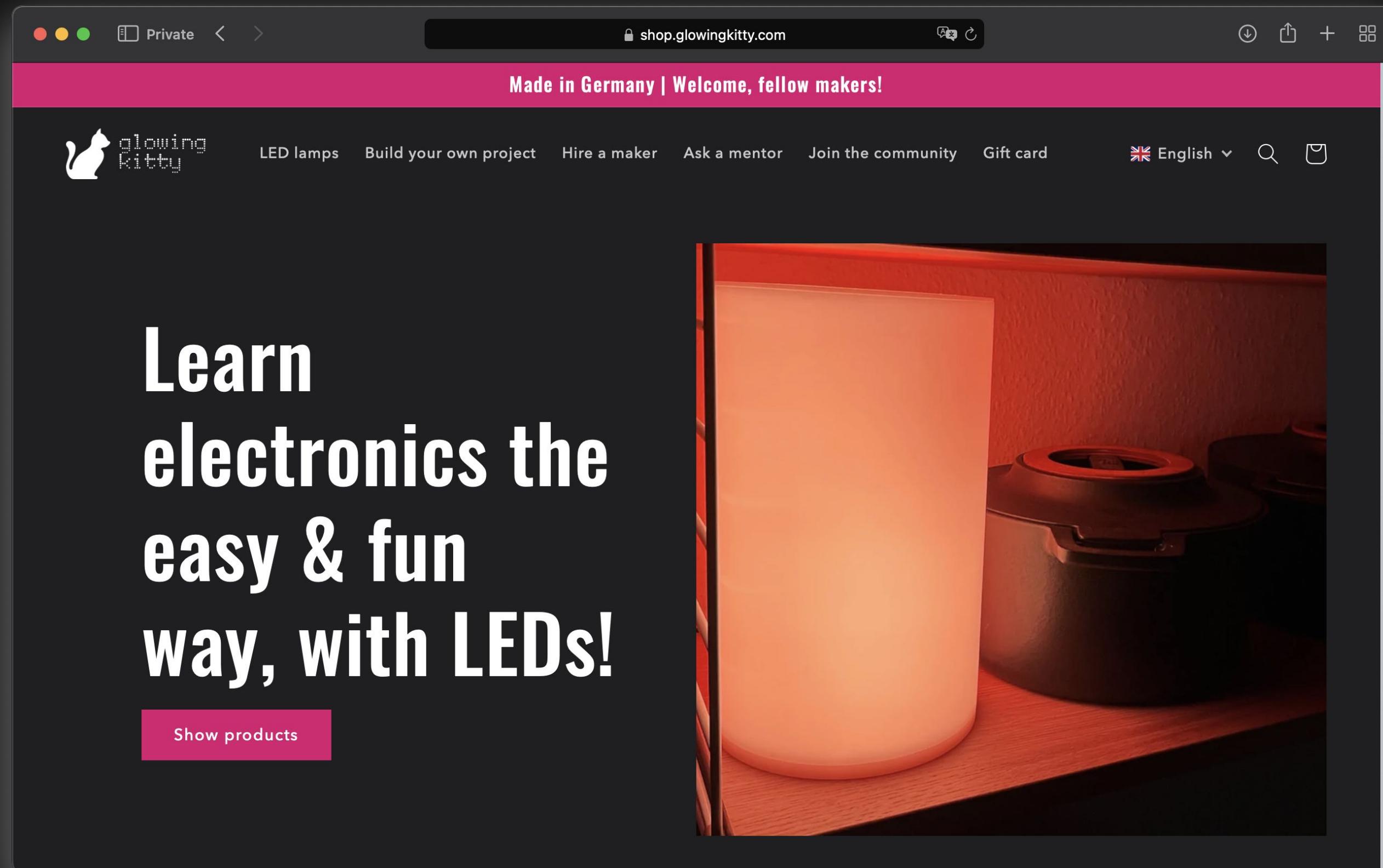
[glowingkitty.com](http://glowingkitty.com)

# I am not running out of ideas...



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# You can find them all online:



glowingkitty.com

What makes LEDs special?

# Industrial design to many:

complicated



overwhelming



difficult to get started



# LED projects as an entrypoint

- low complexity
- low cost
- easy to build something magical
- room to go more complex



More people  
deserve those  
moments.



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Sharing knowledge helps us all

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Three possible ways  
I can recommend

A close-up photograph showing a person's hands working on a glowing LED strip. The strip is mounted on a red plastic support stand. The person is using a black screwdriver with a gear adjustment mechanism to secure the strip. In the background, there is a blue power adapter connected to a white power strip, a roll of paper towels, and some other electronic components. The scene is set on a dark green textured surface.

# 1. Build, share & buy DIY kits

[glowingkitty.com](http://glowingkitty.com)



Search for keywords

Start a new group

Log in Sign up



## LED Makers Berlin

Berlin, Germany

18 members · Public group ?

Organized by Glowingkitty

Share:

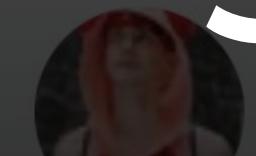
[About](#) [Events](#) [Members](#) [Photos](#) [Discussions](#) [More](#)[Join this group](#)

...

# 2. Join or start Meetup groups

What we're about  
Organizer  
Glowingkitty  
Message

Let's get together to build fun projects with LEDs! Are you a beginner and want to create a project with LEDs? Or do you already have some LED projects



Glowingkitty

Message

glowingkitty.com



3. Spend time at hackspace

[glowingkitty.com](http://glowingkitty.com)

To summarize:

Let's get more people into  
industrial design, with LEDs!