

A personal story:

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



Feel free to
message me:



glowingkitty



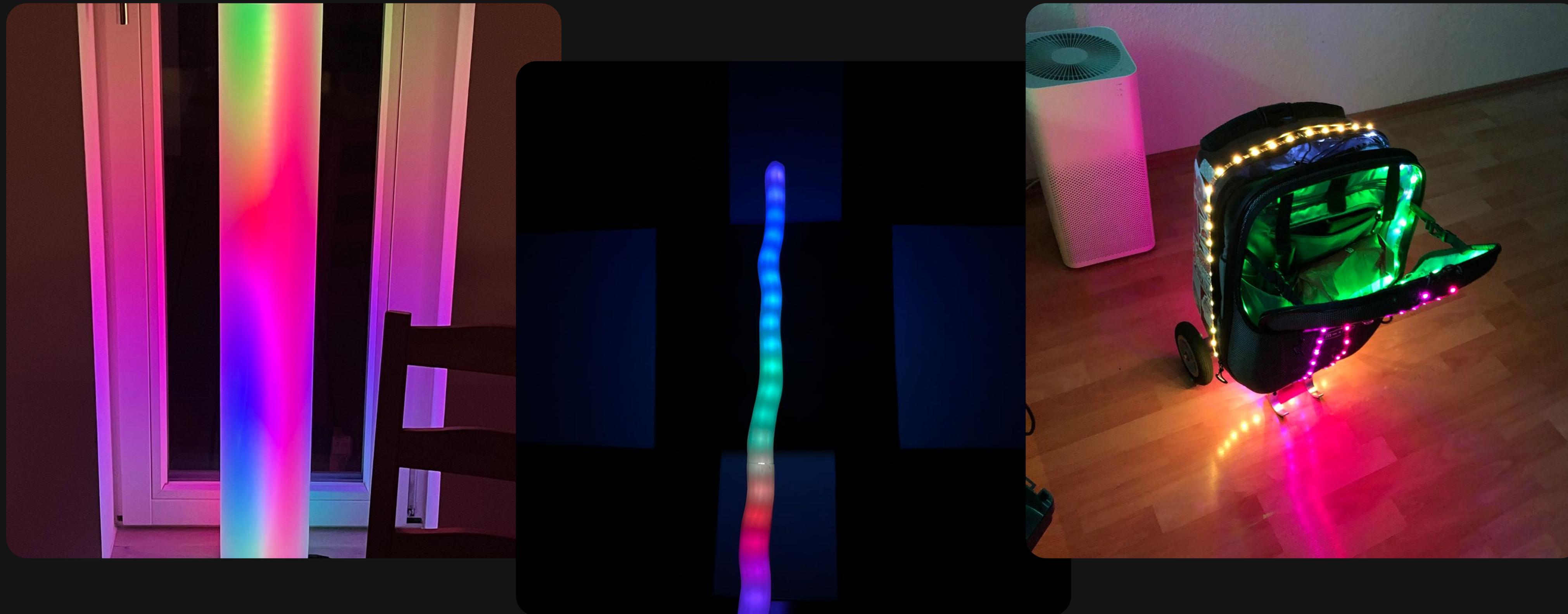
marco@glowingkitty.com



deutsch, english

Why glowingkitty?

glowingkitty



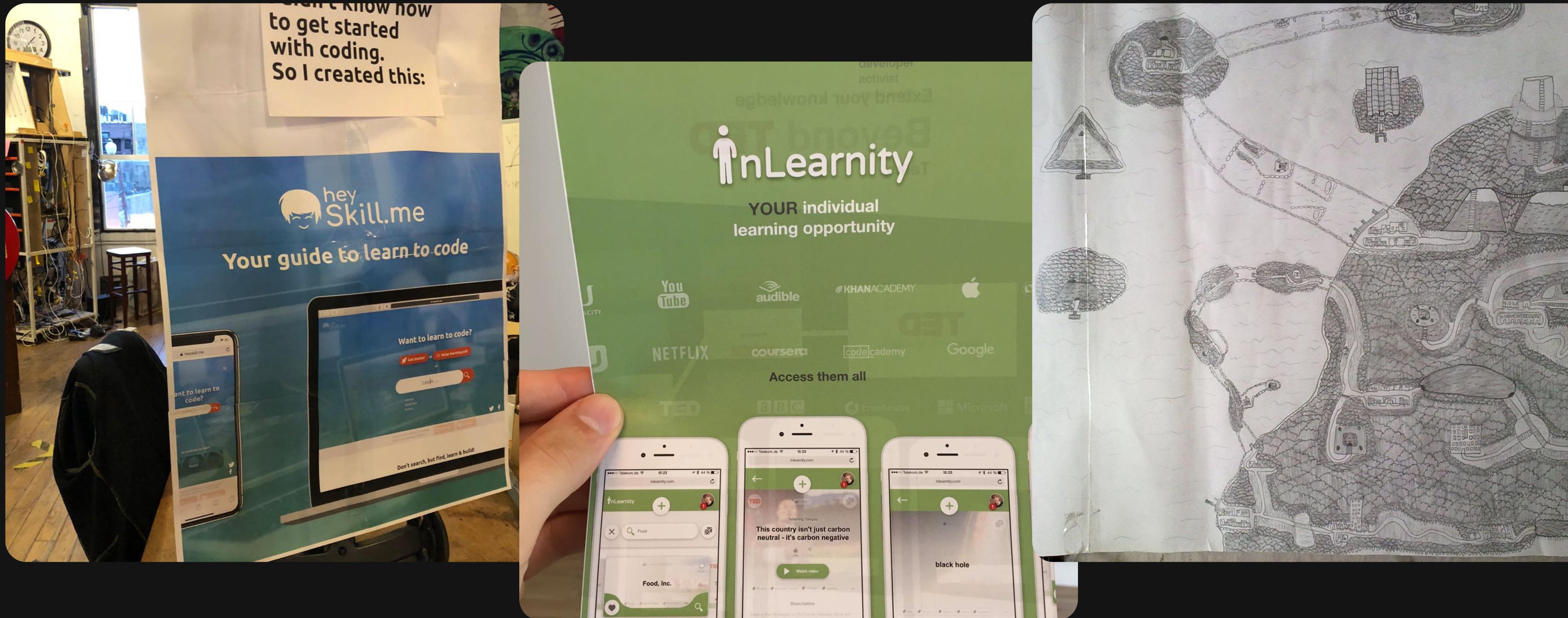
glowingkitty



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

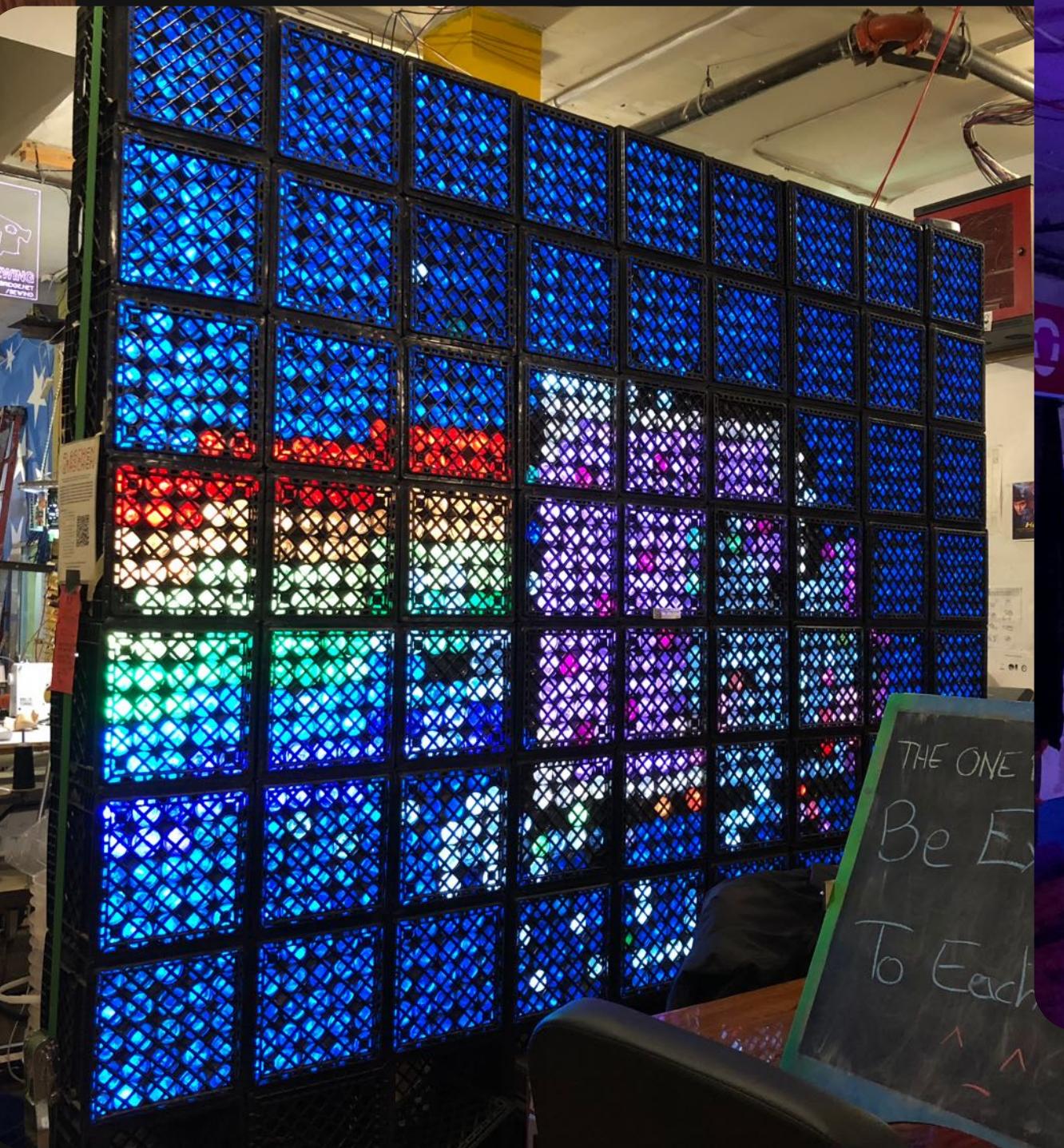
My life before LEDs

I always had my own projects



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

2016 - Hackspace



2018 - Burning Man

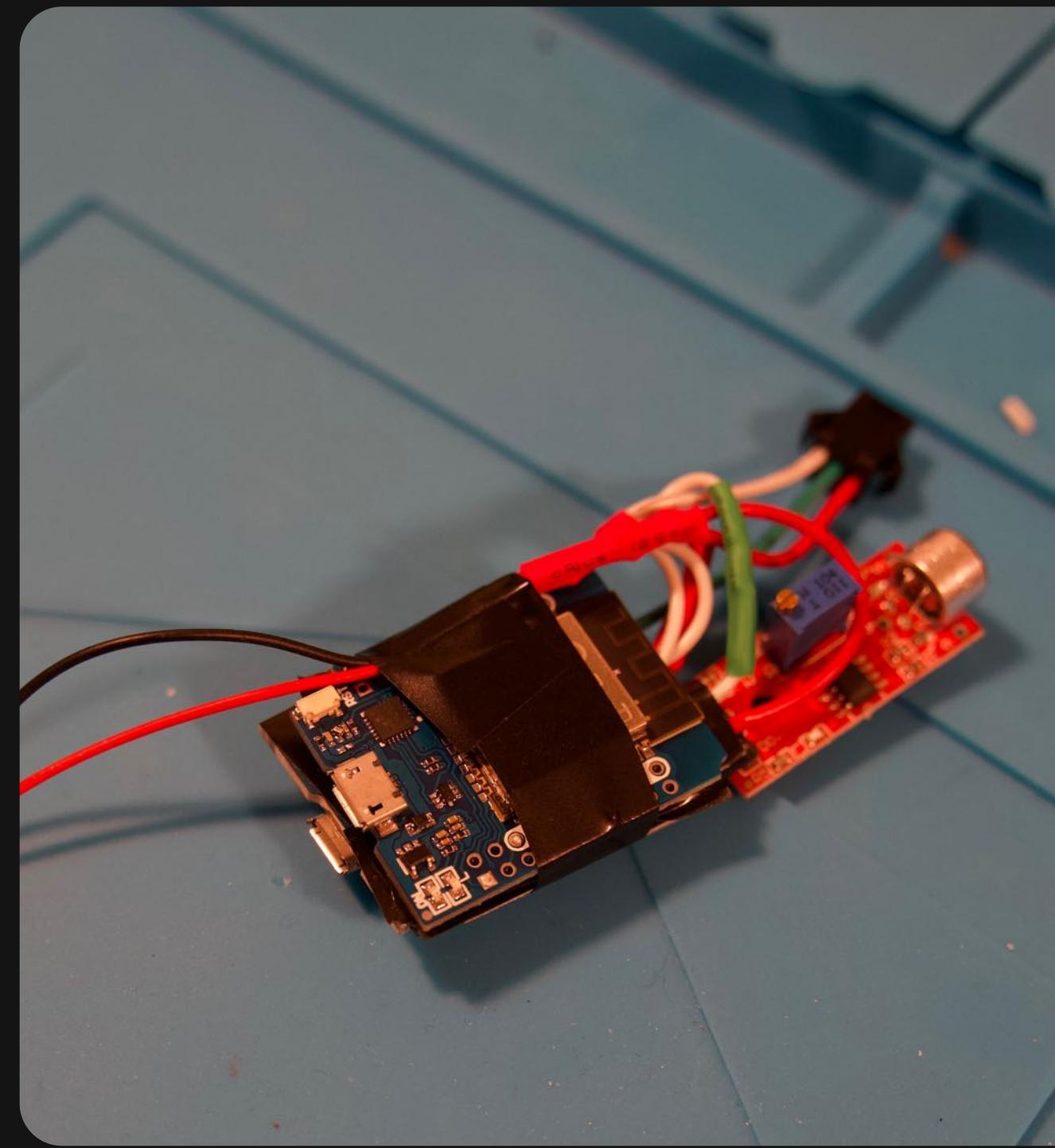


My first LED projects



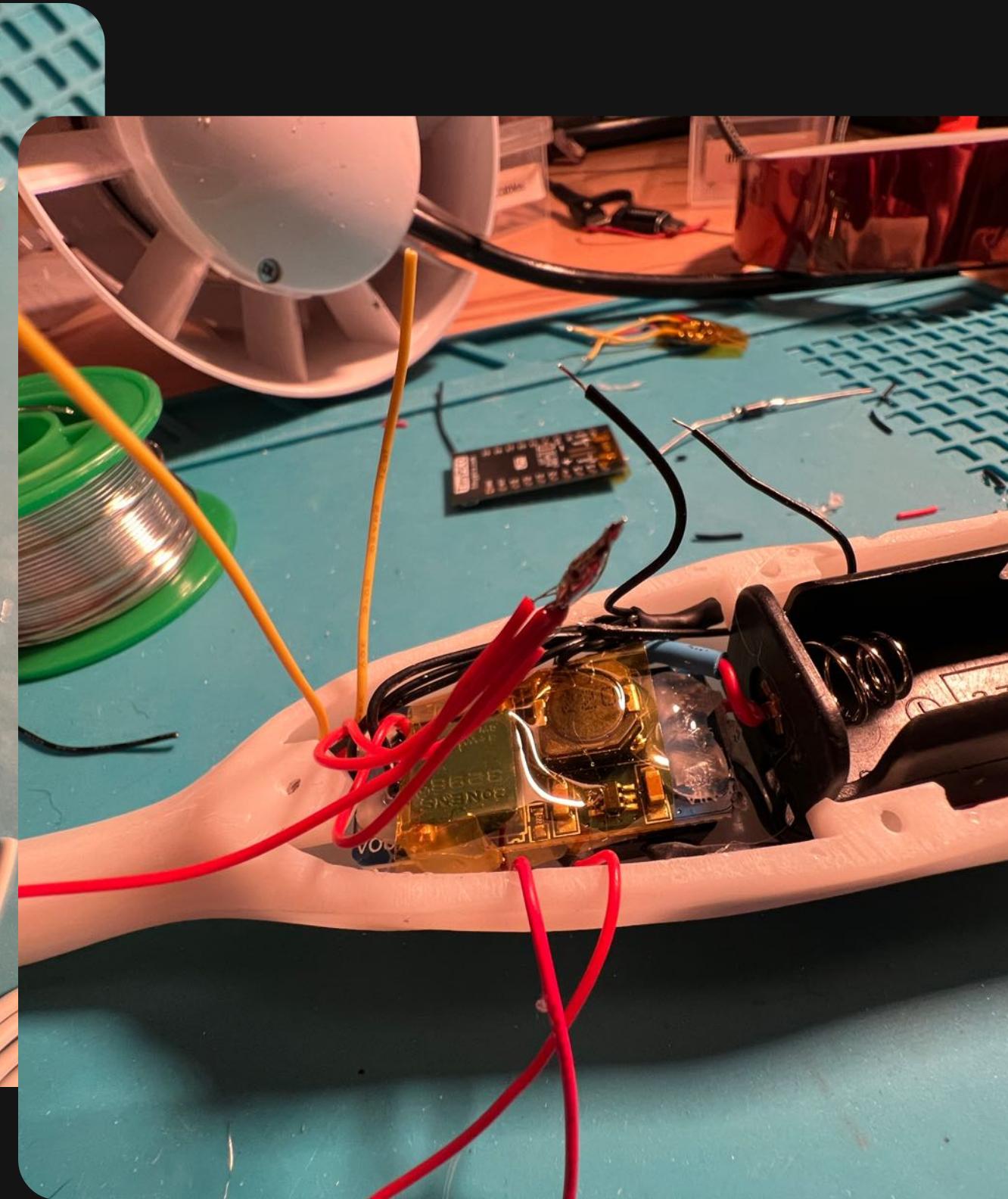
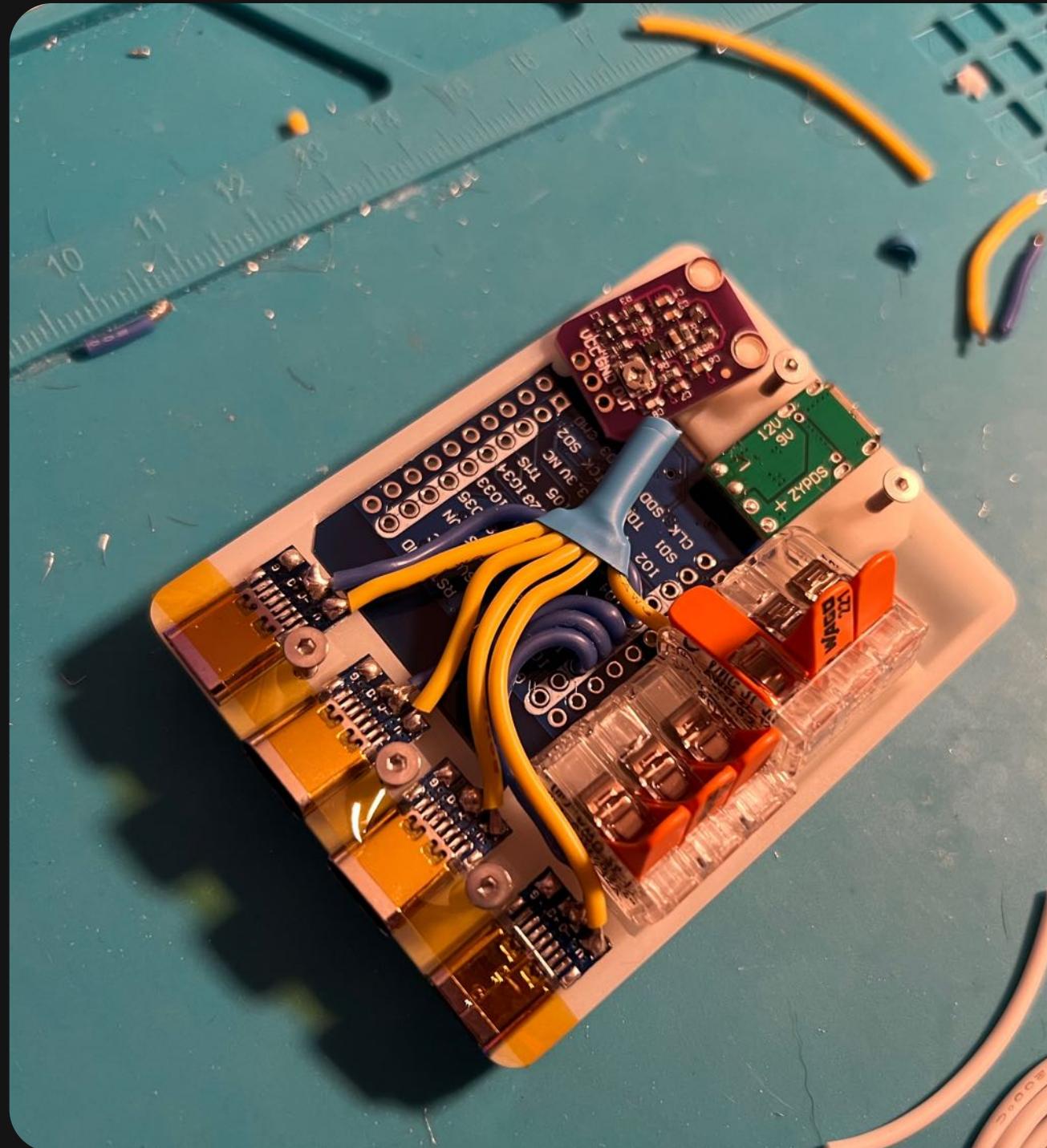
Going from Buy to DIY

2020



Let's build it properly

Jan 2022



How to start a PCB design from scratch?

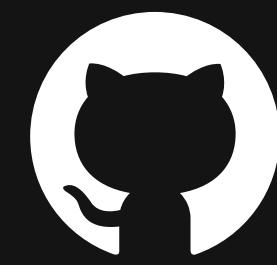
Open Source to the rescue!

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

- Top Left:** GitHub - adafruit/Adafruit-ESP32-Feather-V2-PCB. This page displays the Adafruit ESP32 Feather V2 PCB, showing its physical hardware and a screenshot of the board's underside. It includes sections for README.md, Packages, Contributors (kattni, evaherrada), and a Description section with a link to purchase it from the Adafruit shop.
- Bottom Left:** KiCad EDA - Schematic Capture. The main page for KiCad, featuring a large image of a complex circuit board. It has navigation links like BLOG, DISCOVER, COMMUNITY, HELP, CONTRIBUTE, SPONSORS, LIBRARIES, and DOWNLOAD. Buttons for Documentation, Download (Windows, macOS, Linux), and See what's new are visible. A sidebar highlights "Schematic Capture".
- Top Right:** Install WLED. This is a web-based installer for WLED. It features a graphic of five lightbulbs with letters spelling "WLED" and a star. The text "Welcome to the WLED web installer!" is at the top. Below it, instructions say: "Plug in your ESP to a USB port. We will install WLED 0.13.3 to it. Click "Install" and select the correct COM port. No device found? Get WLED installed and connected in less than 3 minutes!". It includes an "Install" button, a dropdown menu set to "0.13.3", and a checkbox for "My board has Ethernet".

+ help from fellow hackers

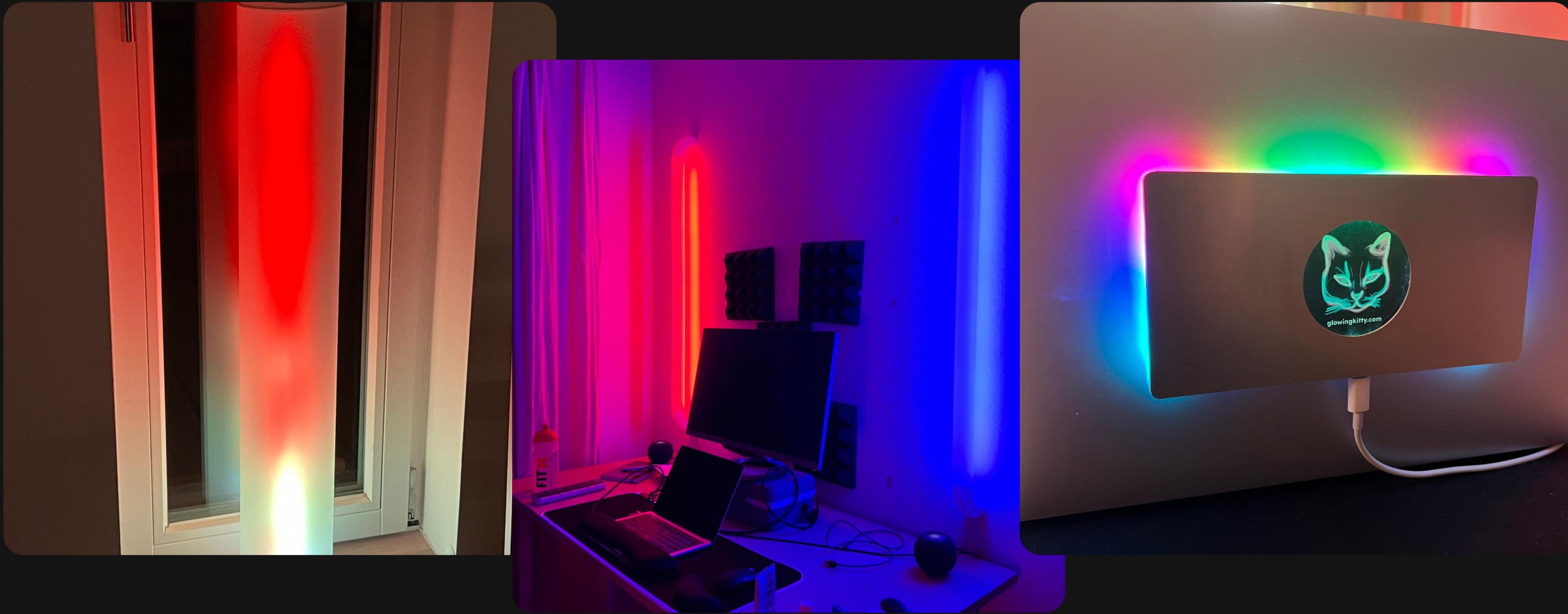
My projects are also open source.
So others can build new projects
easier & faster.



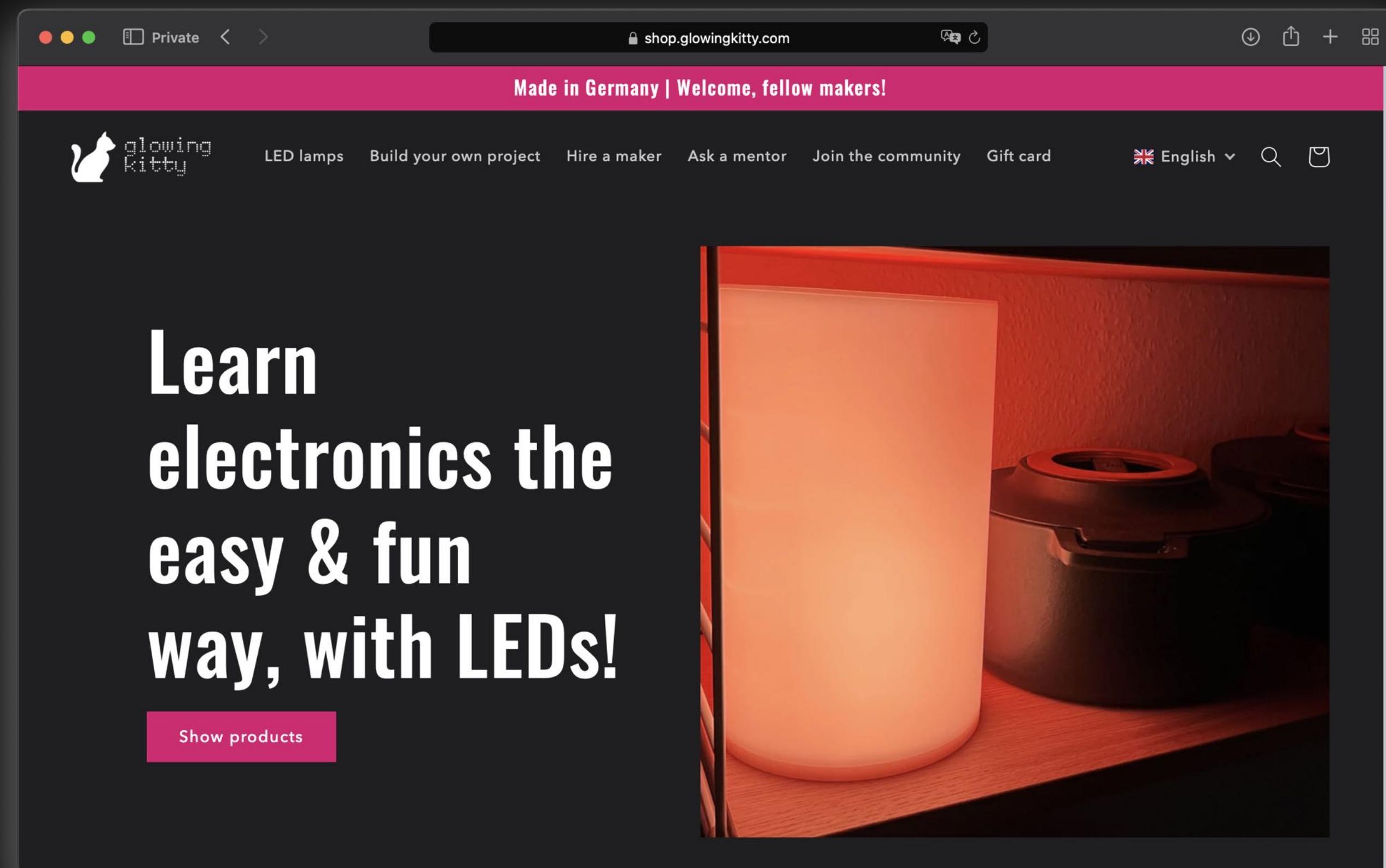
/LEDs-by-glowingkitty

Learning:
Everything is better with LEDs!

I am not running out of ideas...



You can find them all online:



What makes LEDs special?

Industrial design to many:

overwhelming

complicated

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
“wow” moments.



glowingkitty.com



glowingkitty



marco@glowingkitty.com

Sharing knowledge helps us all



Three possible ways I can recommend



1. Build, share & buy DIY kits



glowingkitty.com



glowingkitty



marco@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

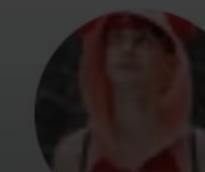
Share:

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

...

2. Join or start Meetup groups

What we're about
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



3. Spend time at hackspace



glowingkitty.com



glowingkitty



marco@glowingkitty.com

To summarize:

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