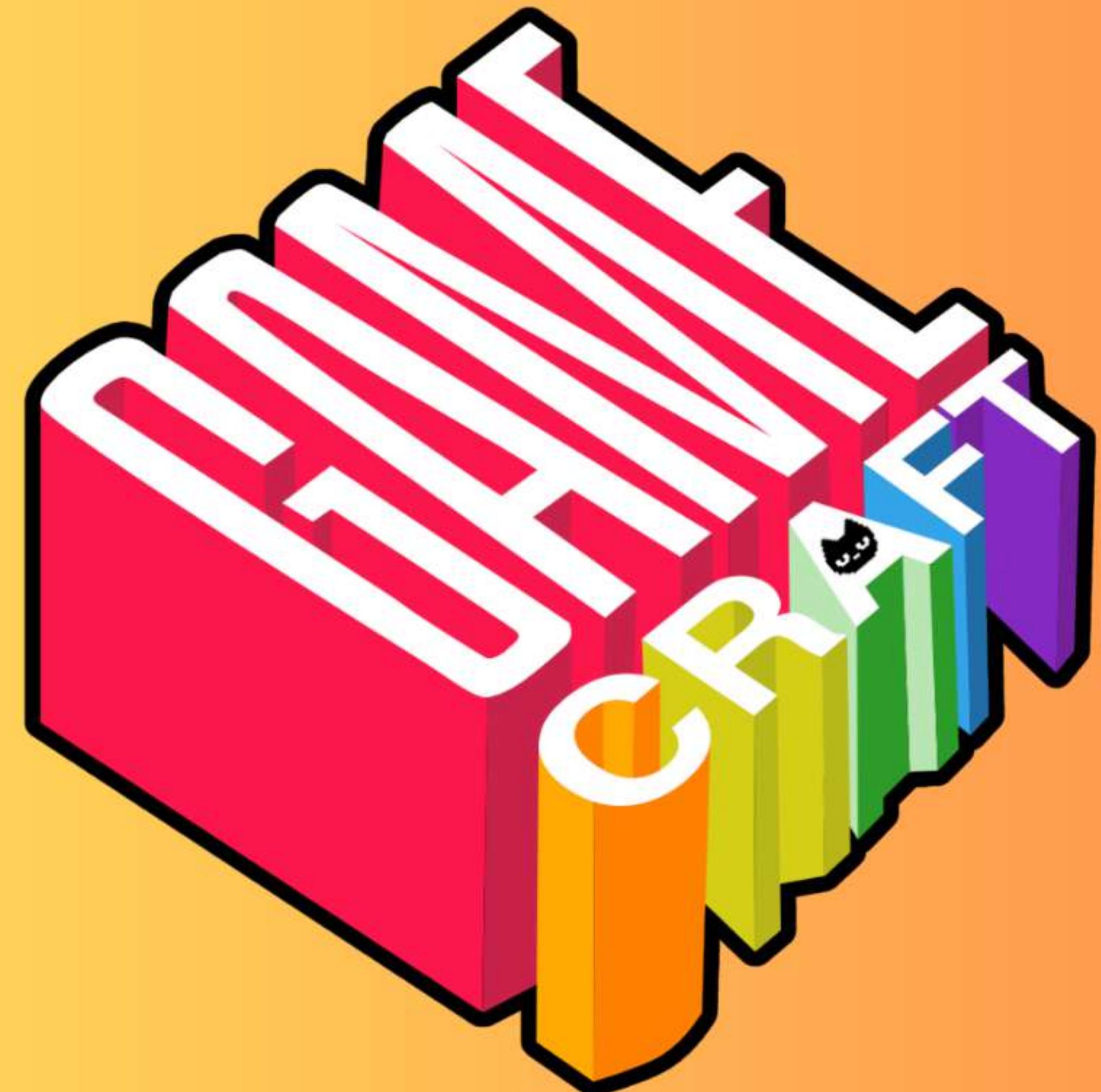


NOV 4, 2023 / BETA FESTIVAL

Build your own
game controller!



ALT.CTRL



ALT.CTRL



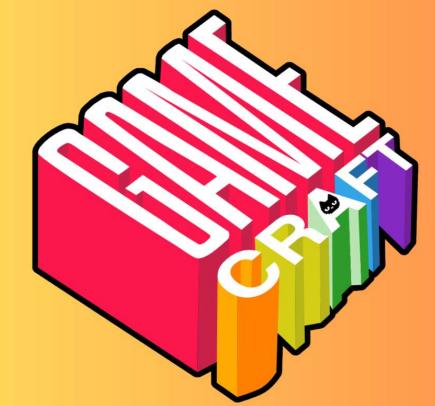
Thank you!

be
ta

D
DIGIT
GAME STUDIOS



Volunteers ❤️



SCHEDULE

- WELCOME
- WHO'S HERE?
- WHAT IS THIS ABOUT?
- HOW DOES THIS ALL WORK?

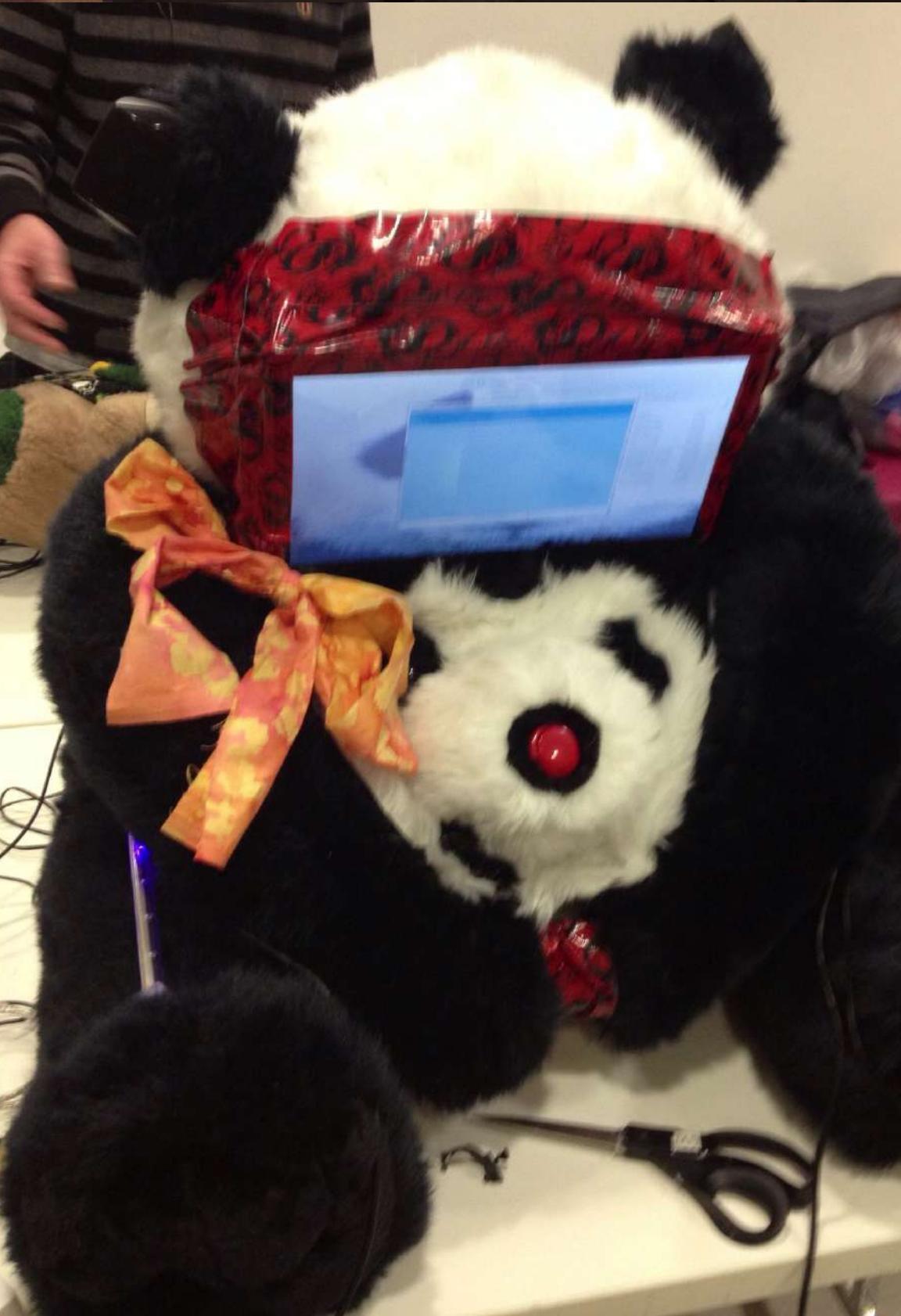
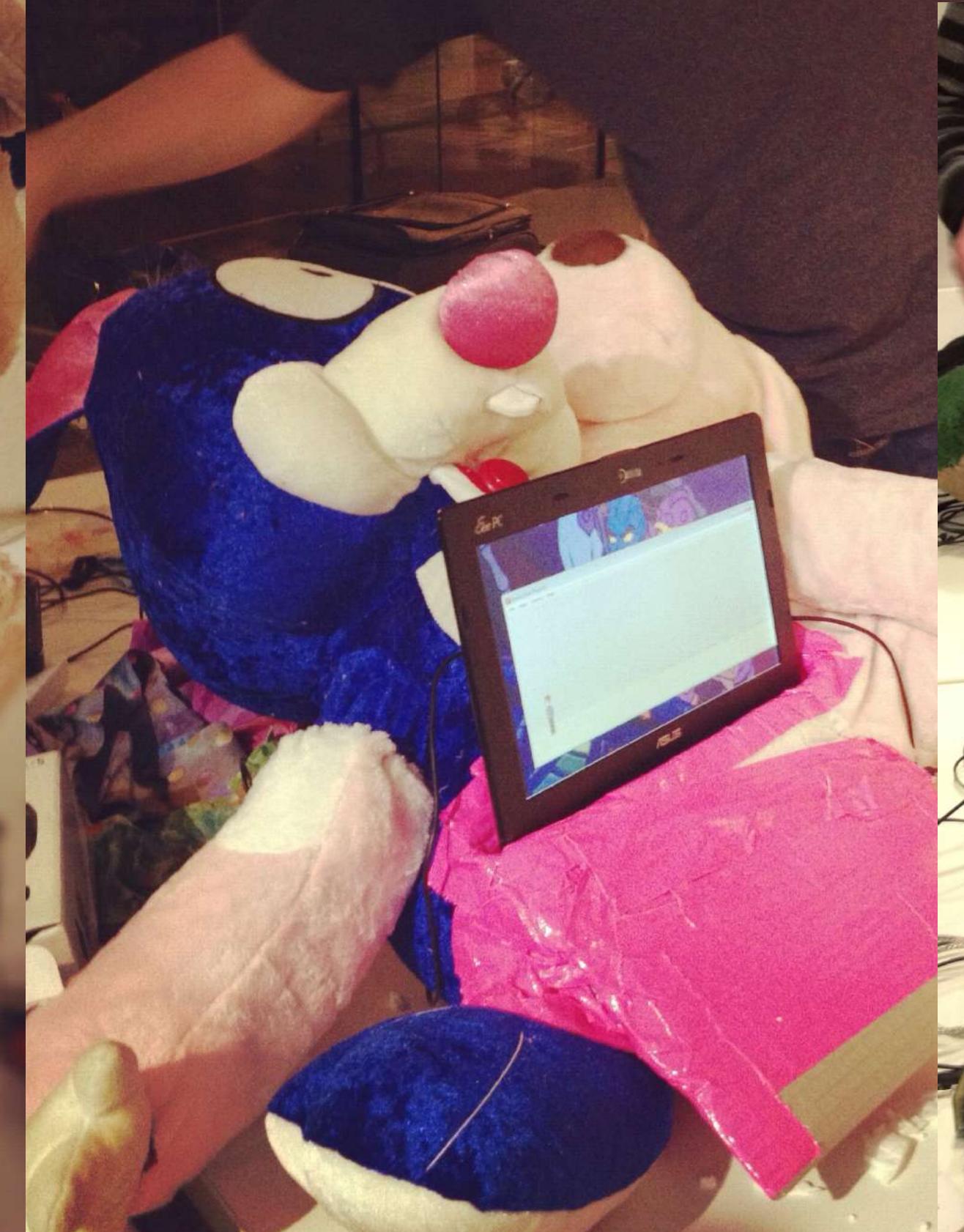
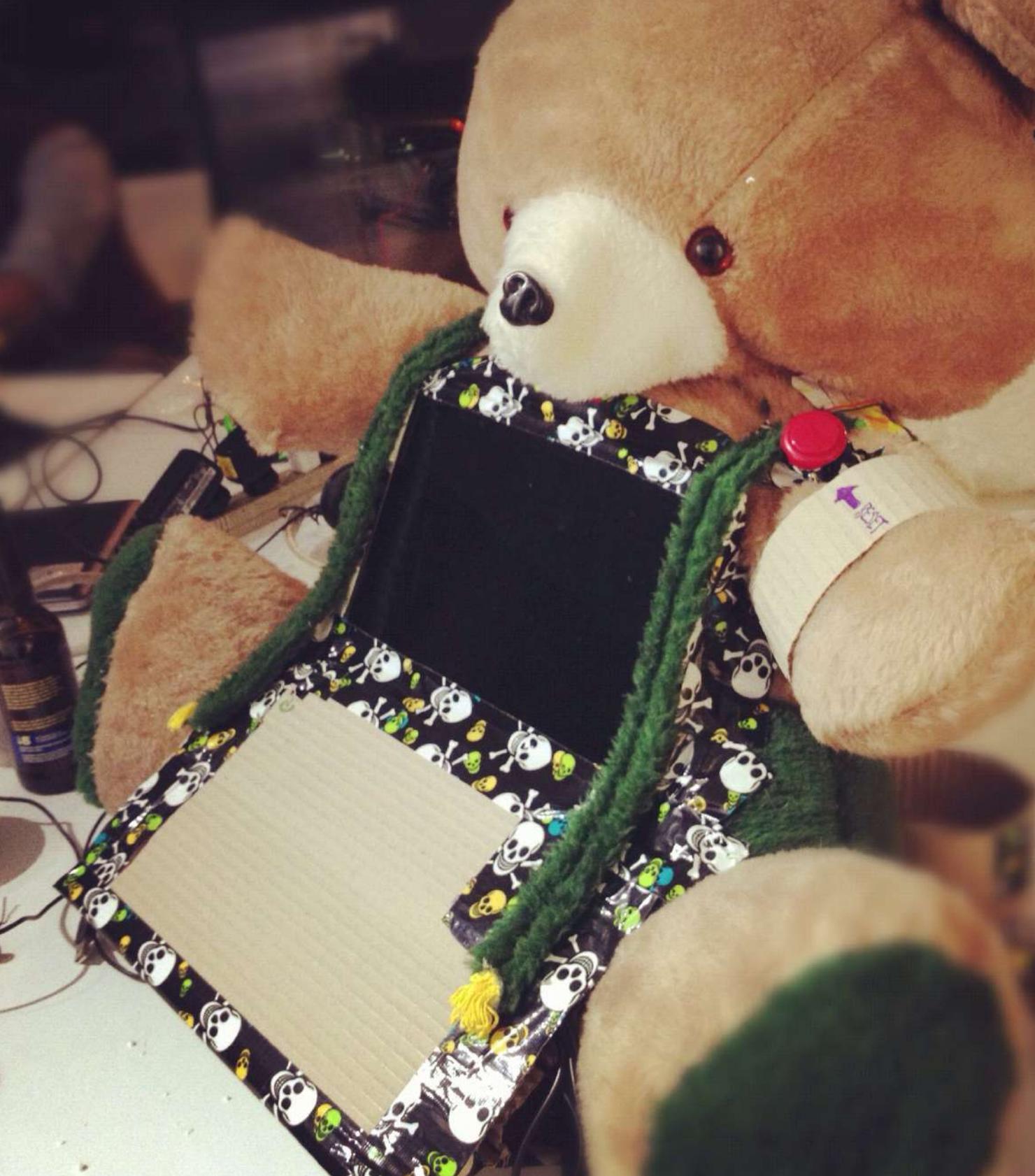
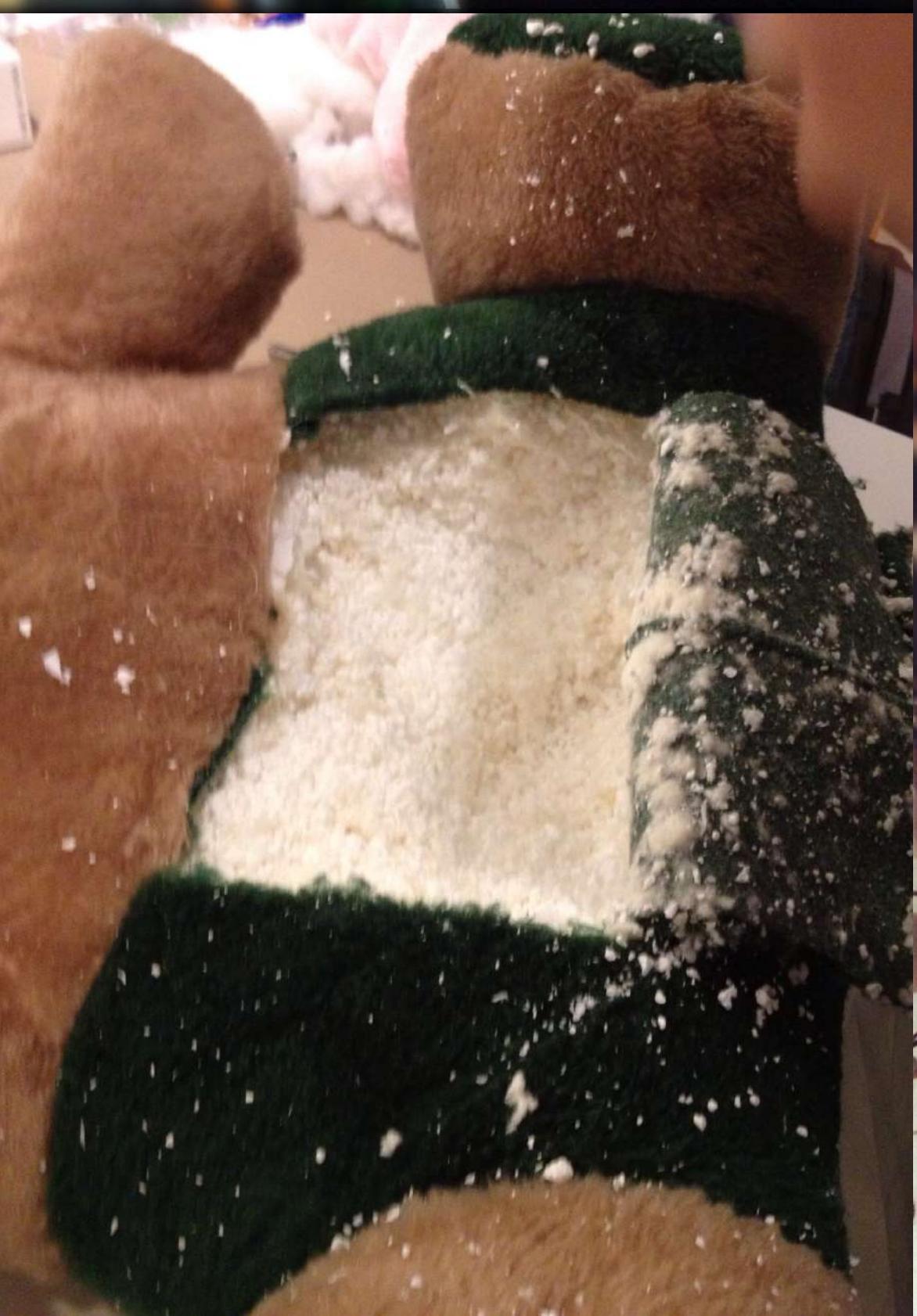
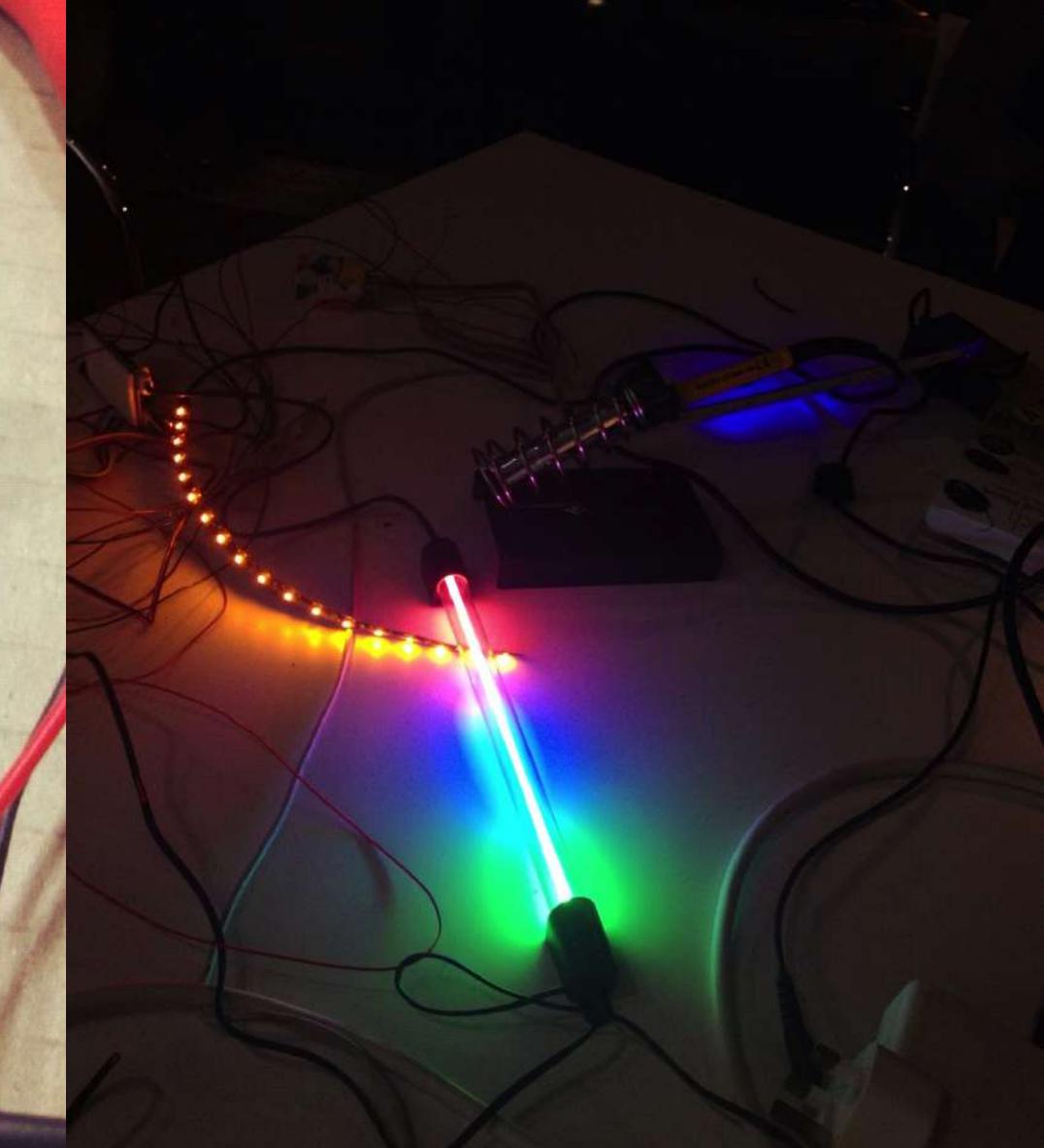
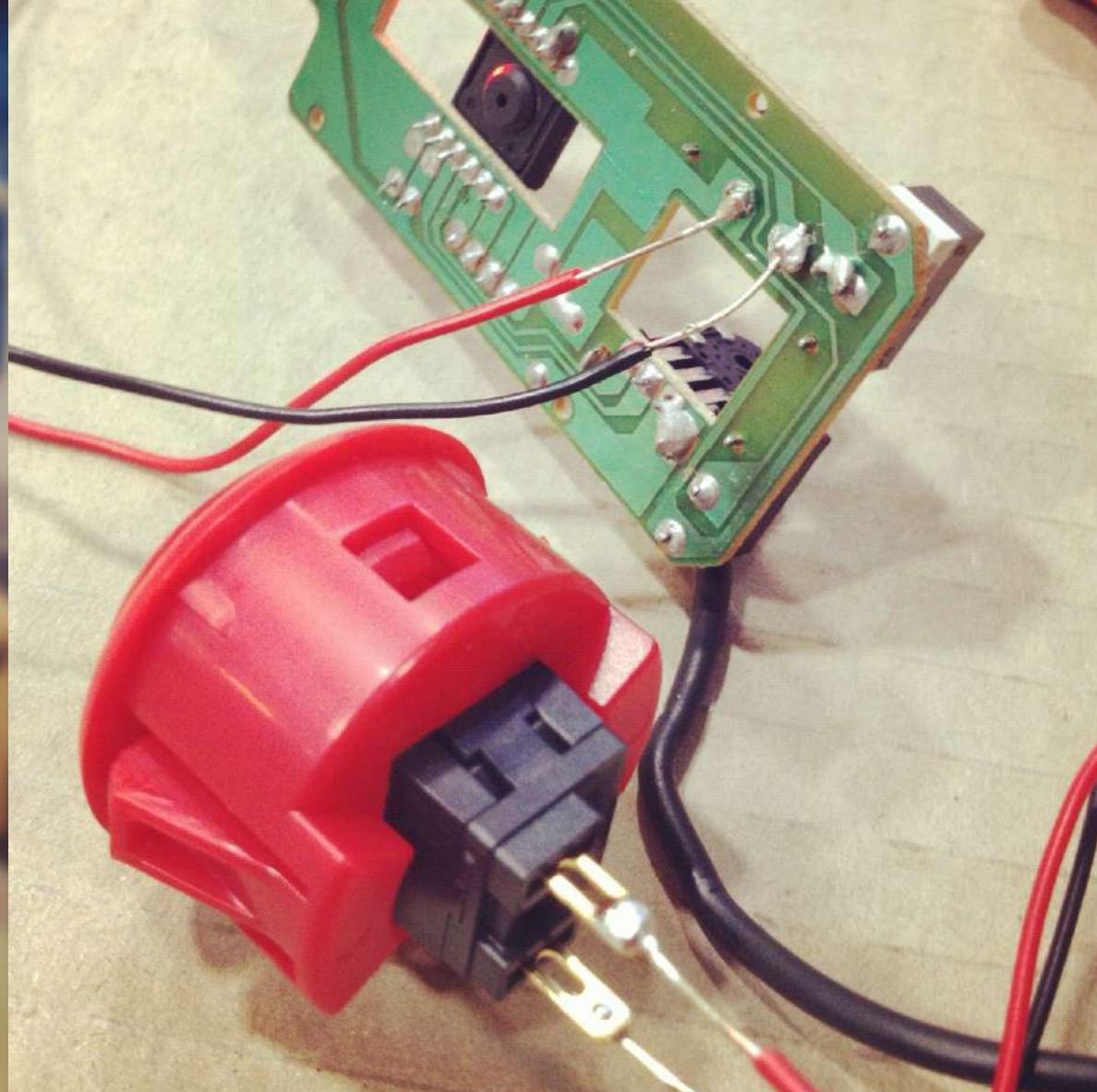
	11:45	REGISTRATION
	12:10	EVENT STARTS / Welcome Introductions and Workshop details
	13:00	LUNCH (1h)
	14:00	EVENT CONTINUES
	16:30	LET'S PLAY TEST
	17:00	EVENT ENDS



WHO

Michael Twomey & Vicky Twomey-Lee





GAME 2012 - SCIENCE GALLERY DUBLIN



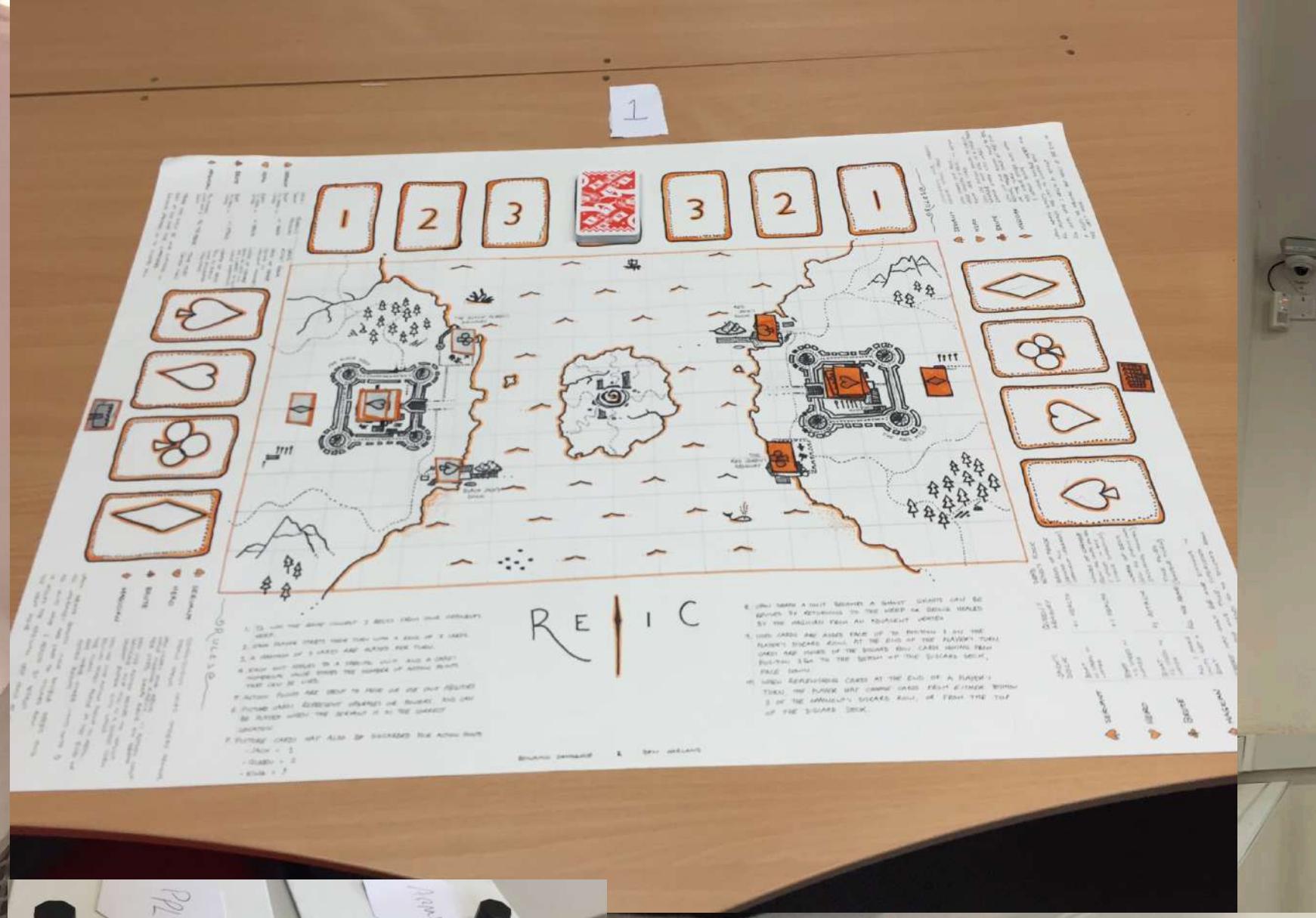
PROGRAMME

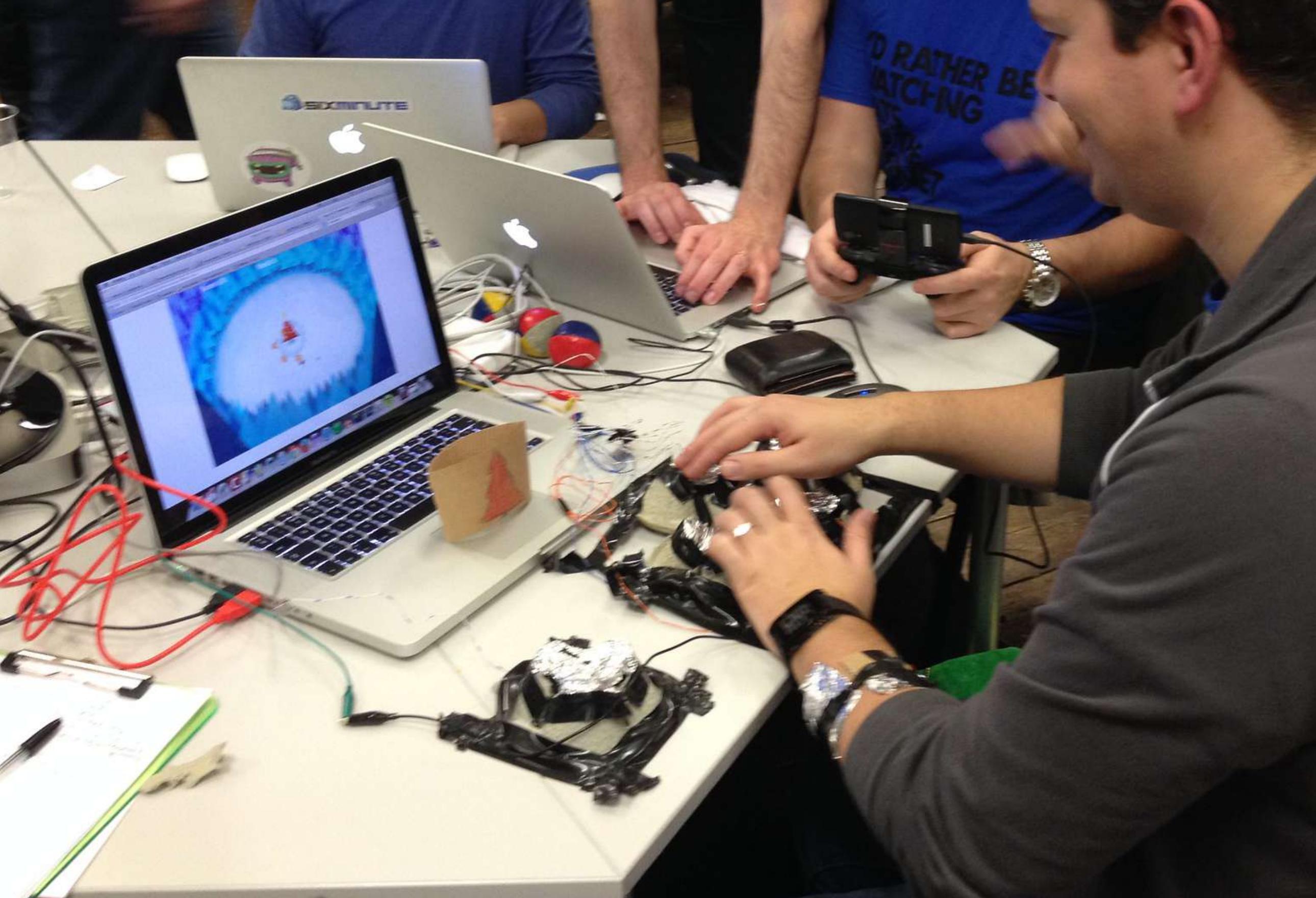
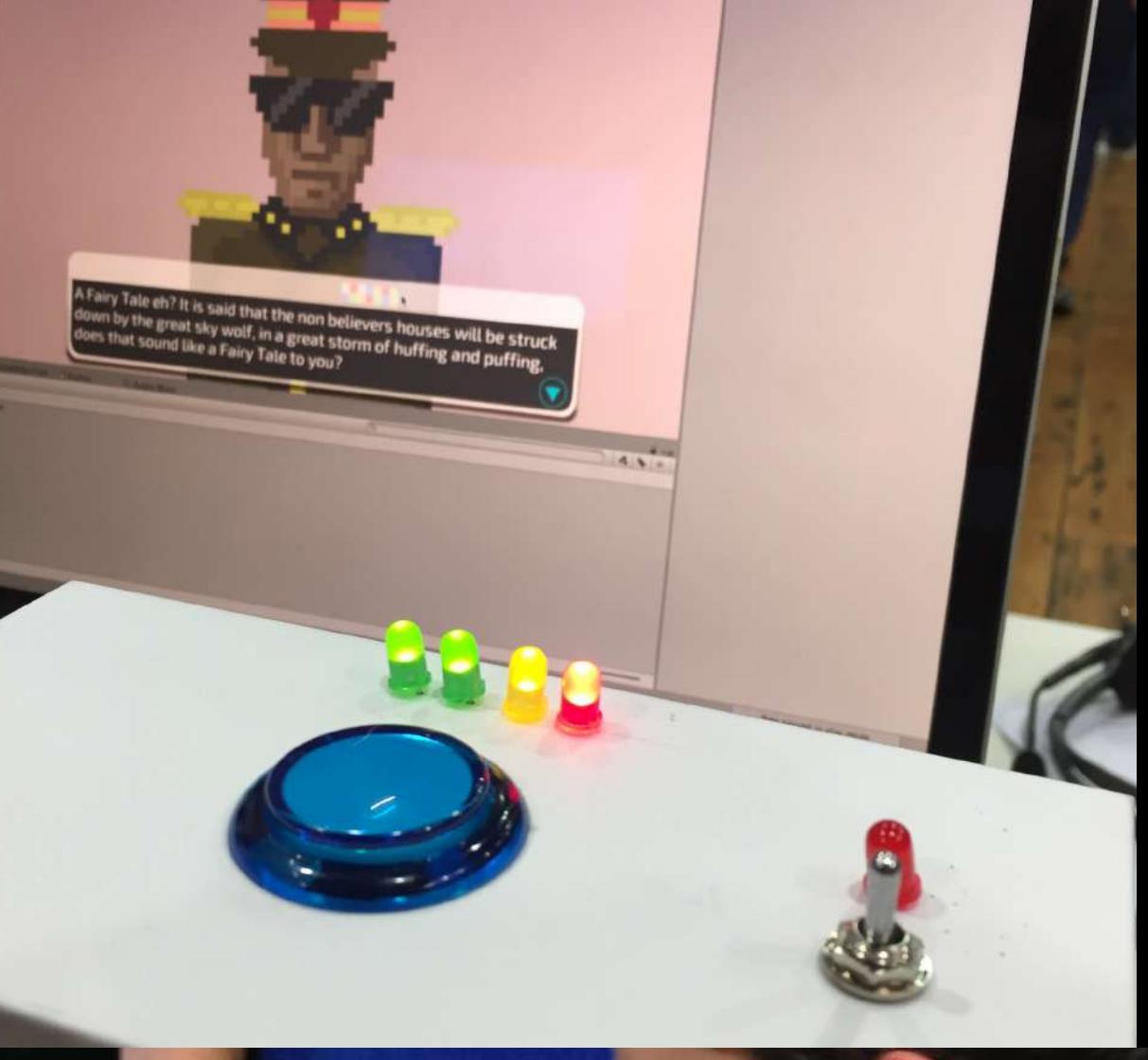
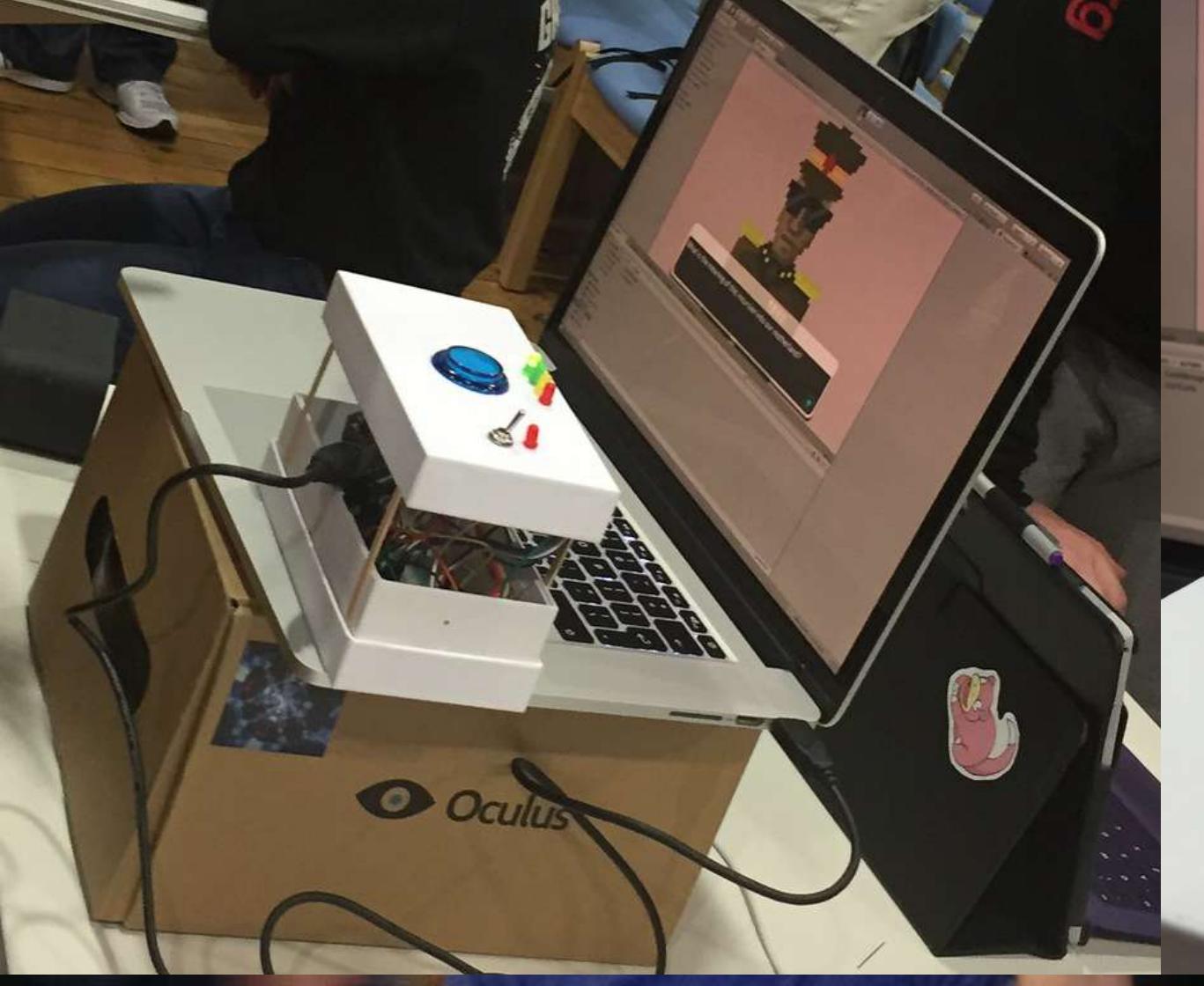


<https://youtu.be/Y7YfIR1JsvU?si=raE8PxfYJgKrn5xT>



GAME
JAMS





OHM
CRATE

WHAT

ALT.CTRL

- [T]he term “alternative controllers” refers both to non-traditional controllers and to the games they allow to play.*

What are
alternative
controller games?



<https://youtu.be/IDVHkcUB9jI?si=u06VBA-kCxUvpL53>

⚠ Warning: This video has explicit content

The video we showed at workshop was edited.

* <https://shakethatbutton.com/about-alternative-controllers>

LINE WOBBLER



by Robin Baumgarten
www.wobblylabs.com

<https://gazor117.itch.io/milk-that-cow>



ALT.CTRL.GDC 2020*

*Got cancelled because of
Covid restrictions 😞

ALT.CTRL.GDC 2023 - FUNNY KITTY STICK



<https://youtu.be/q3roeLt1F3M>

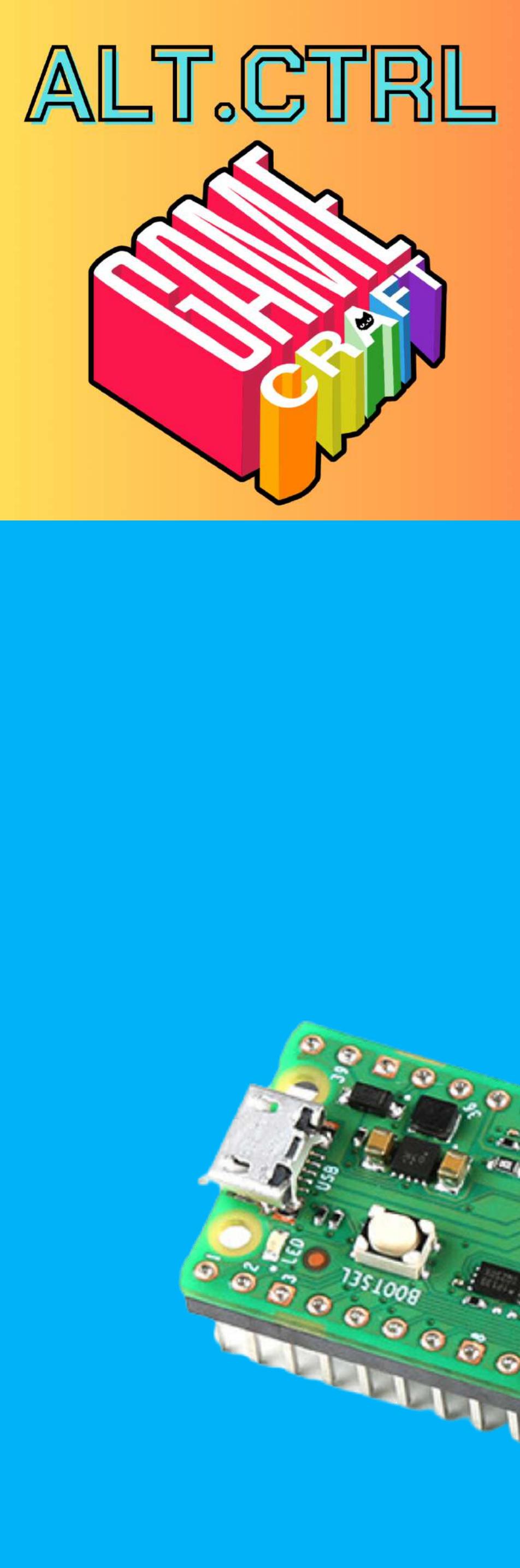
ALT.CTRL.GDC 2023 - KITCHEN KAULDRON

Audience Award Winner



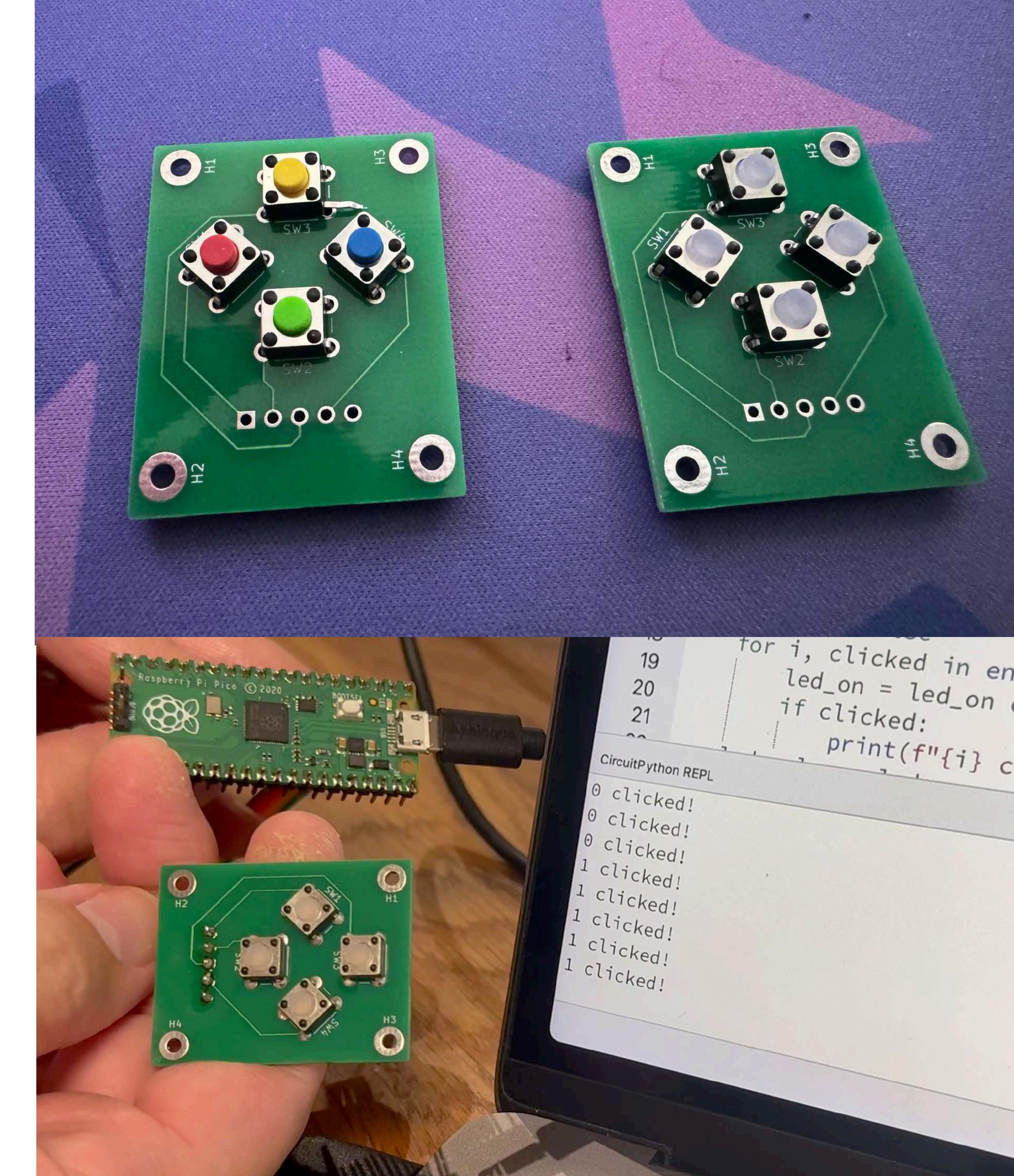
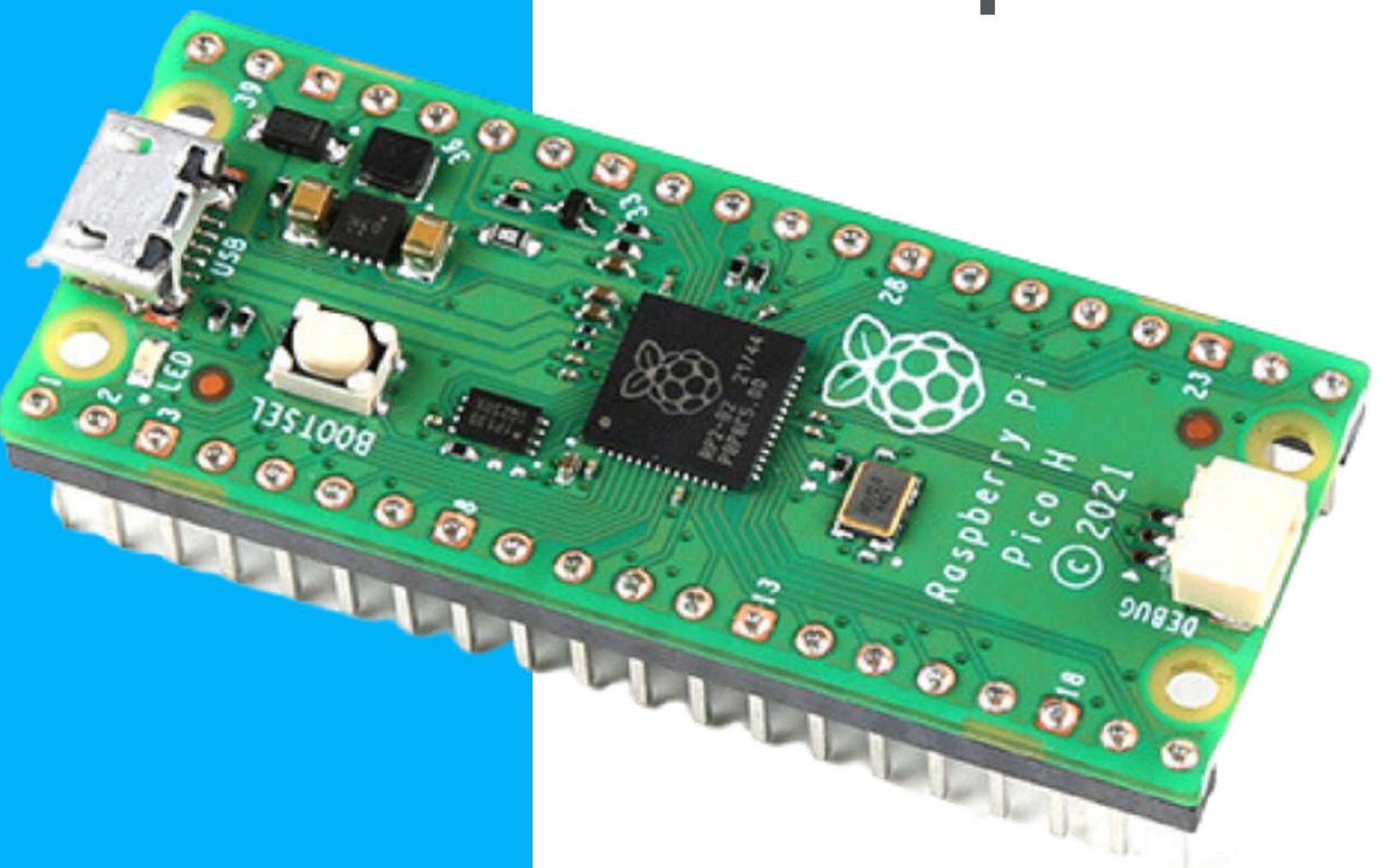
<https://youtu.be/cABzwkVCams>

HOW?

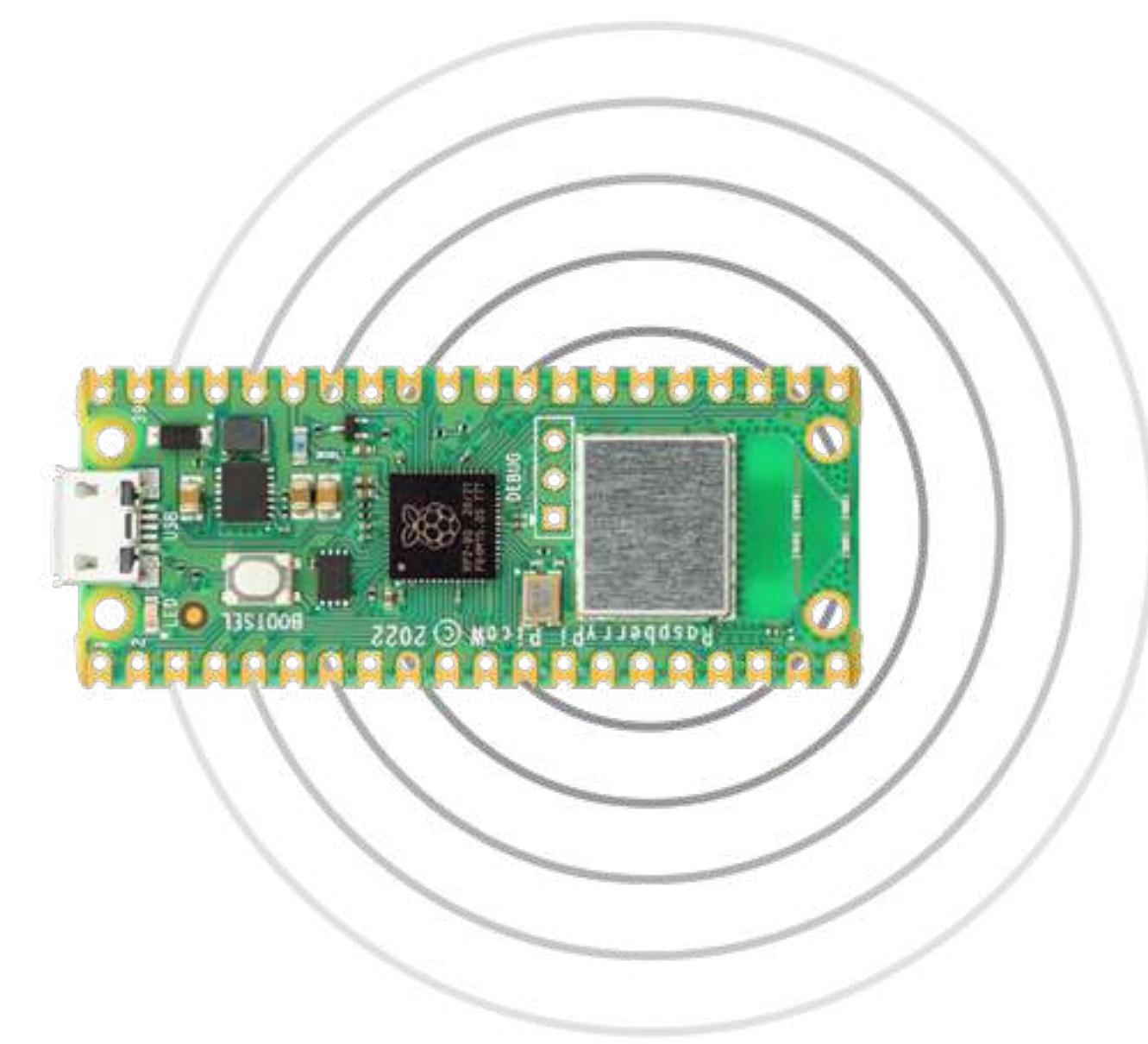
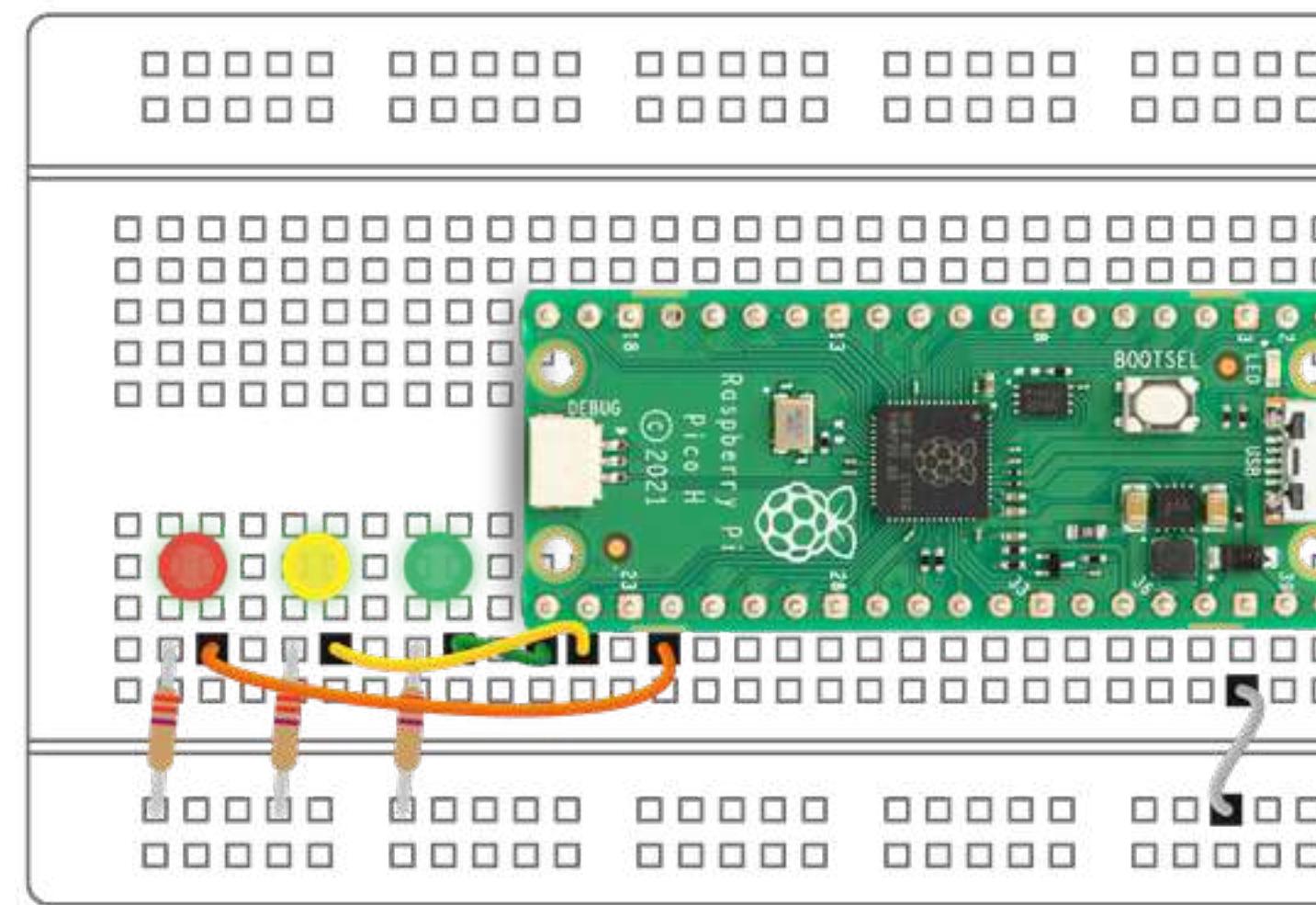


YOUR KIT TODAY

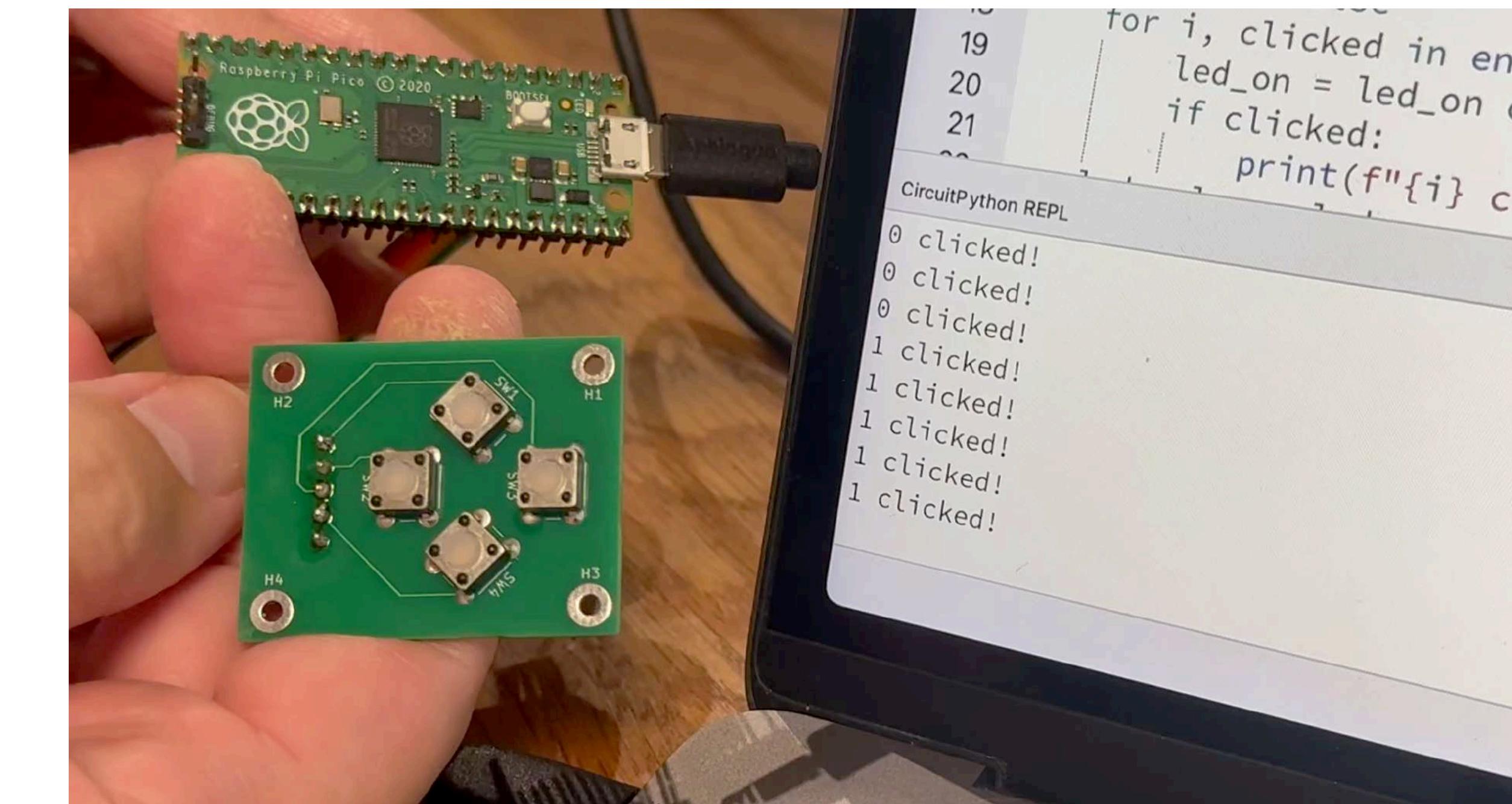
- ⌚ Custom PCB & buttons
- ⌚ Raspberry Pi Pico h
- ⌚ USB Cable
- ⌚ Jumper Cables



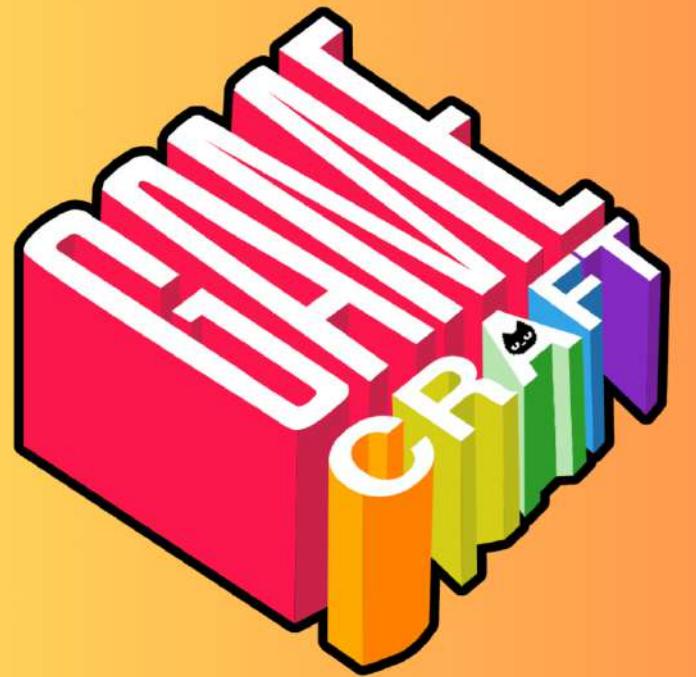
```
for i, clicked in enumerate(buttons):
    led_on = led_on or not clicked
    if clicked:
        print(f"{i} clicked!")
    else:
        print(f"{i} not clicked!")
```



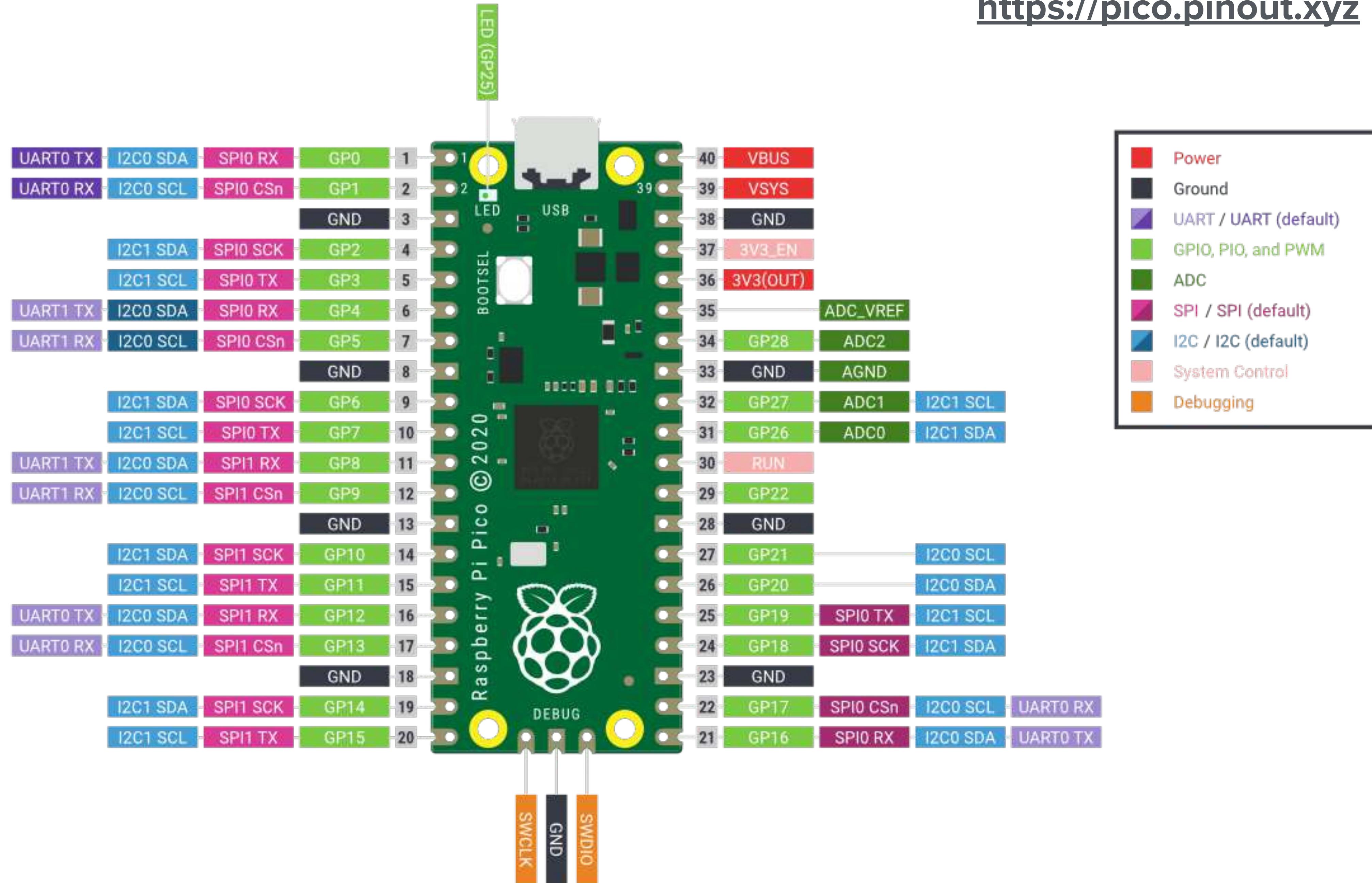
- ⌚ small computer
 - ⌚ “h” 😊
 - ⌚ really cheap
 - ⌚ IoT, programmable
- Note: “w” 📡



ALT.CTRL



Raspberry Pi Pico PINOUT

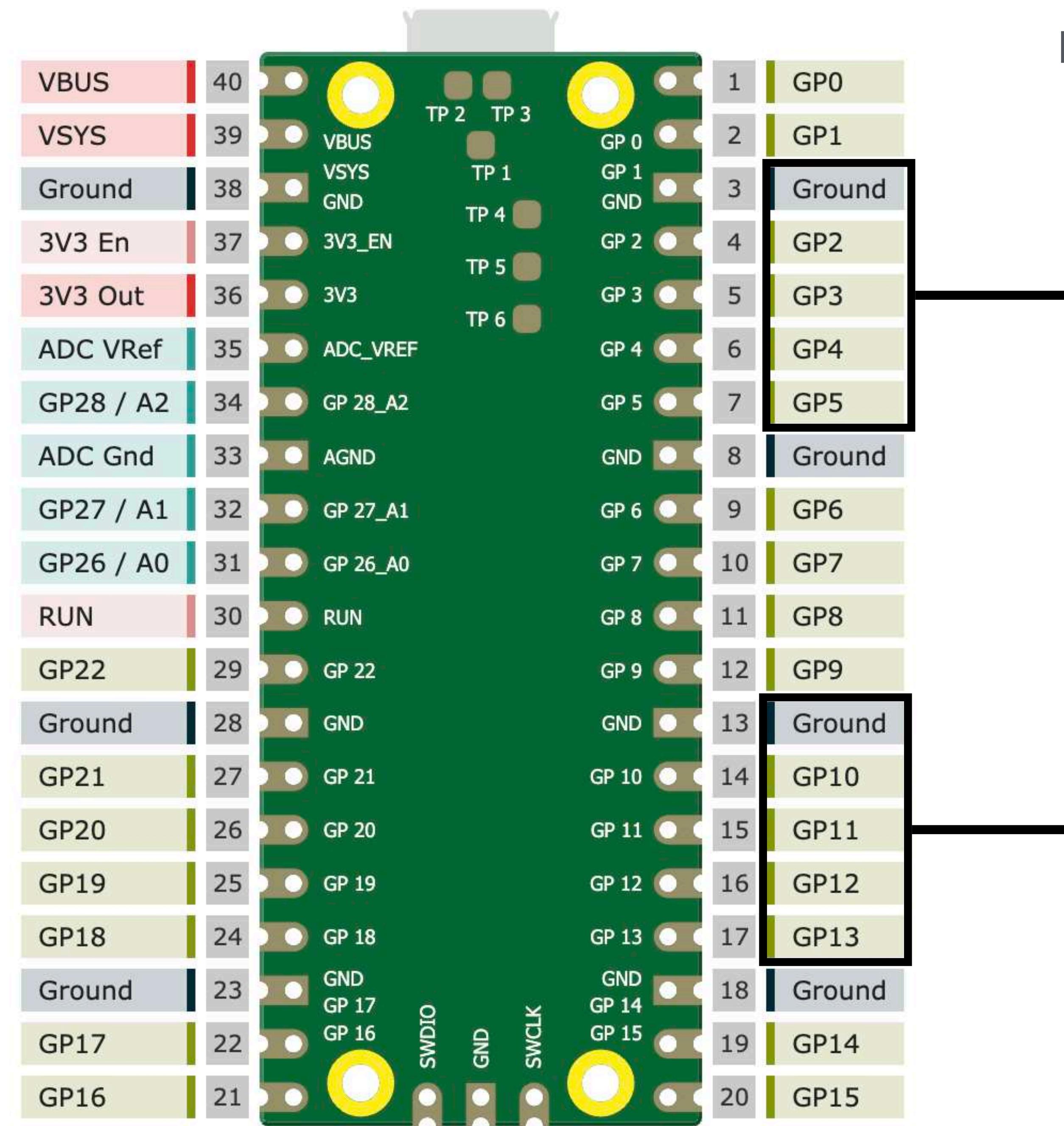


ALT.CTRL



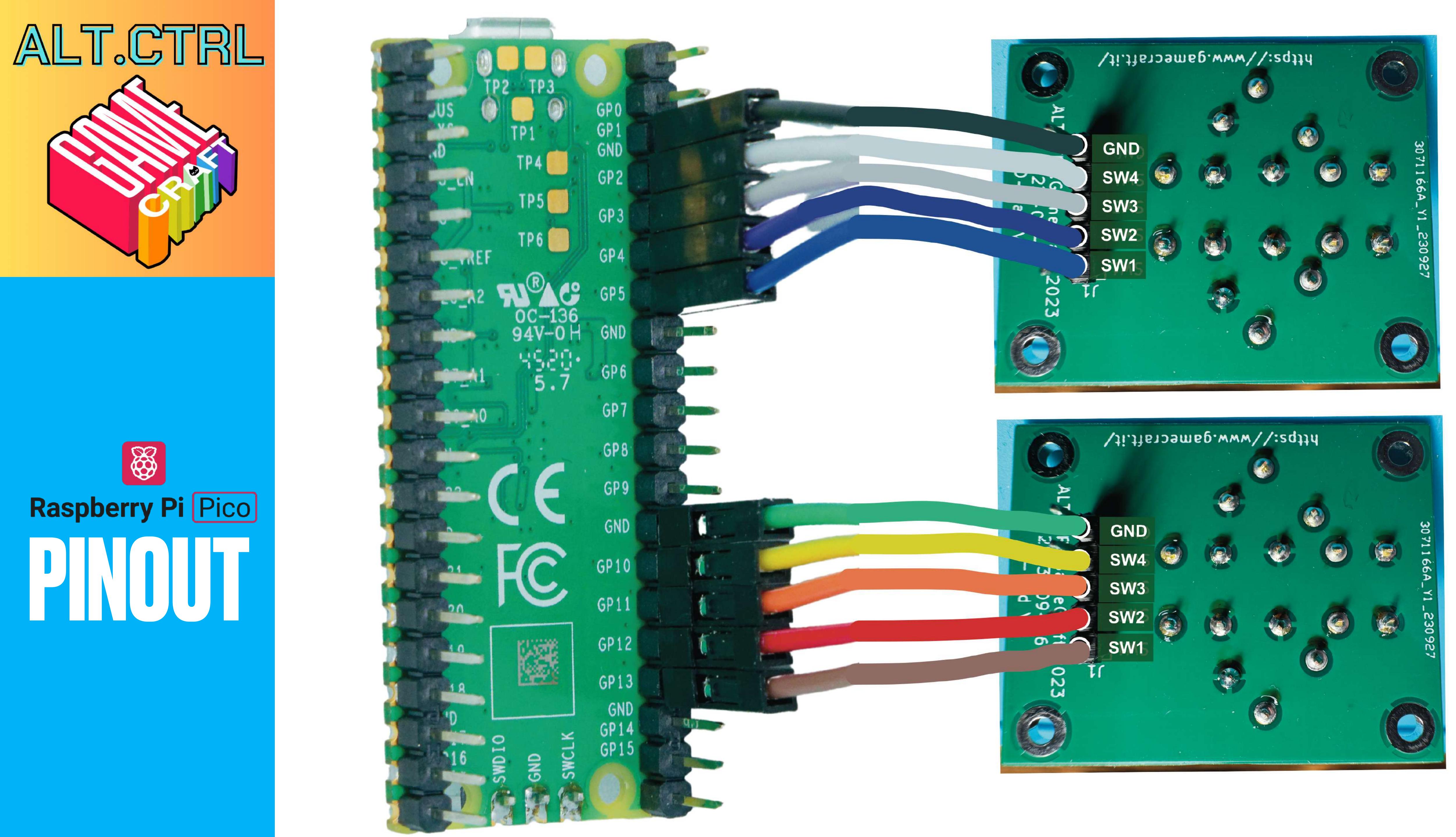
Raspberry Pi Pico

PINOUT



<https://pico.pinout.xyz>

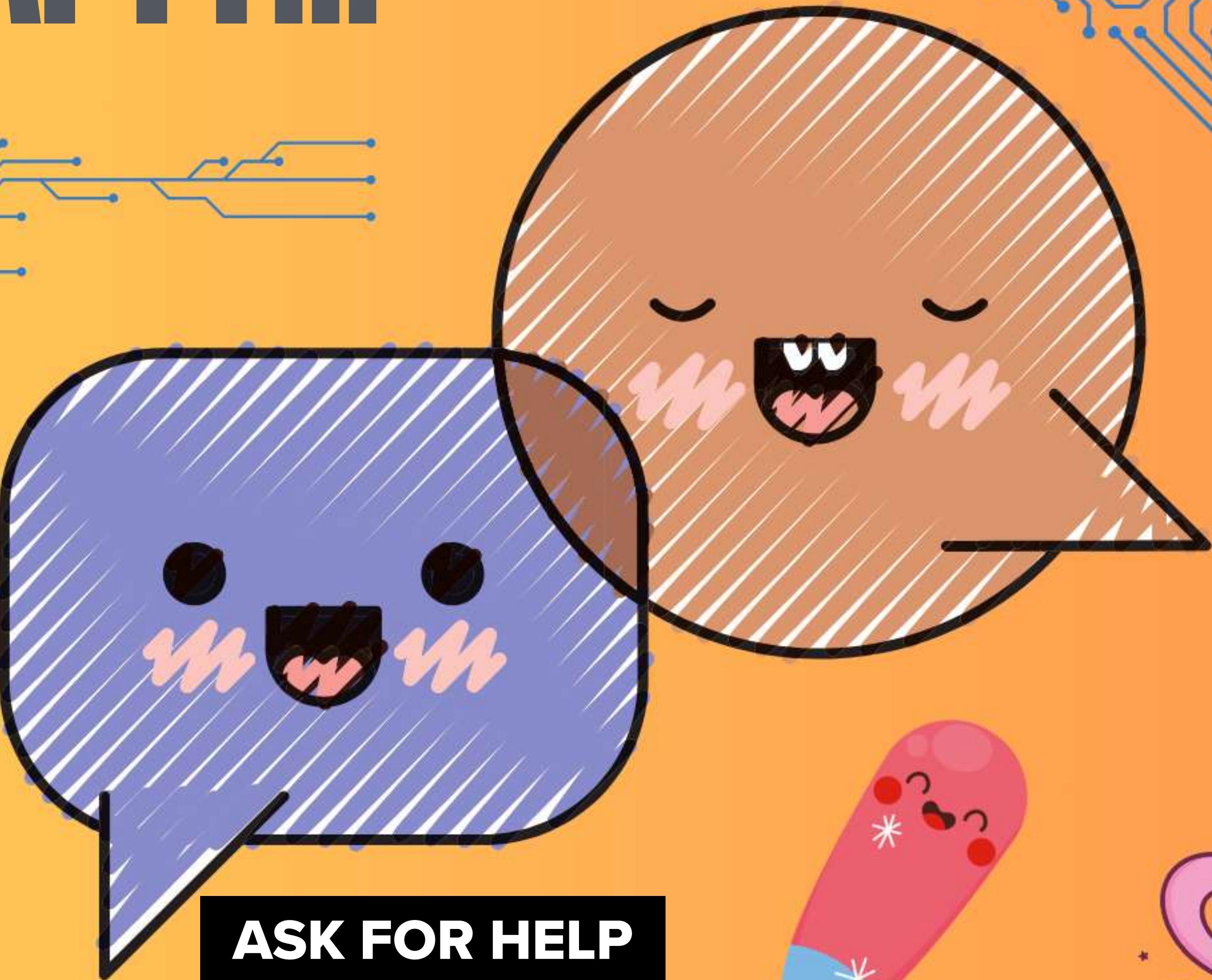
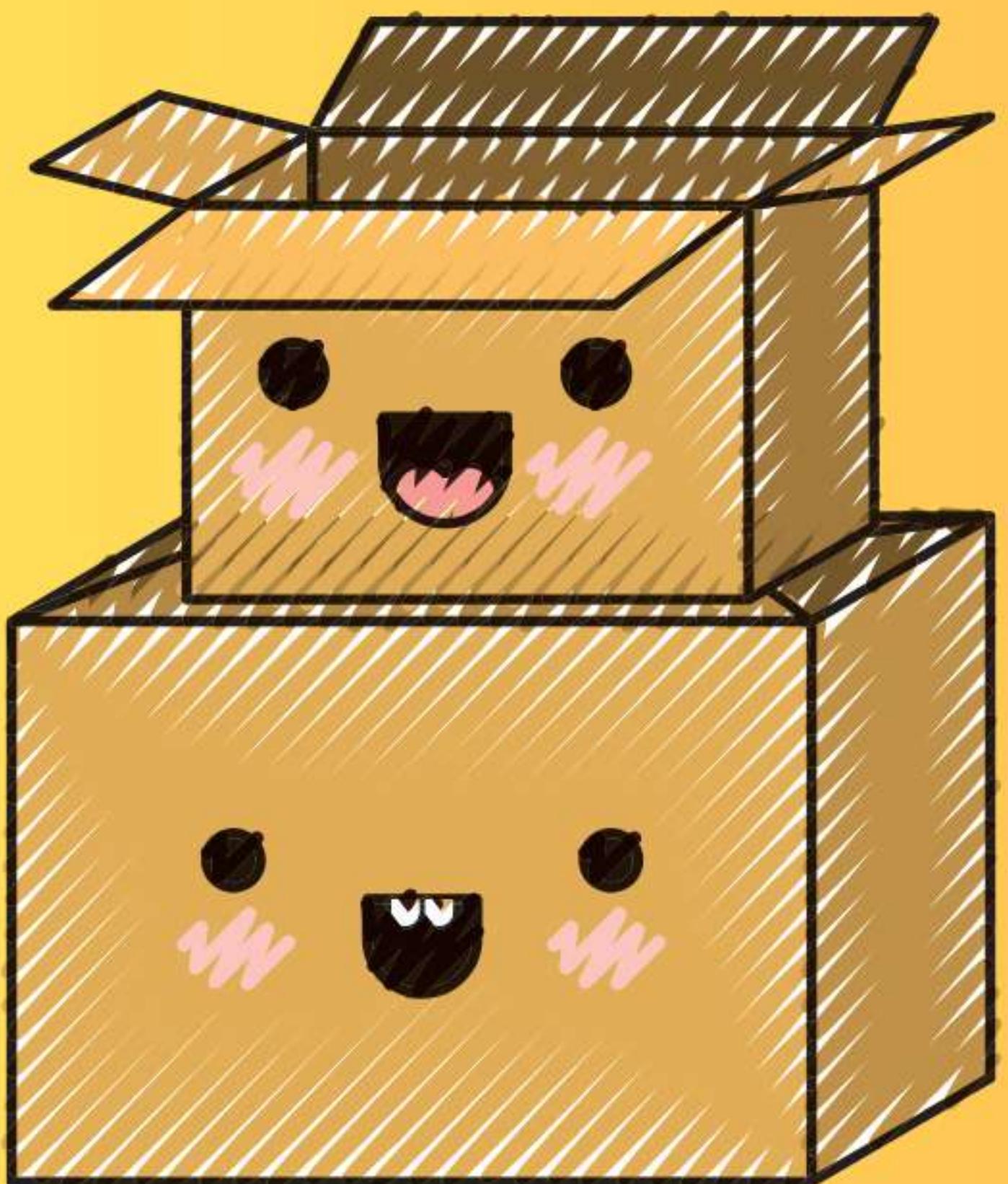
Only interested
in these pins



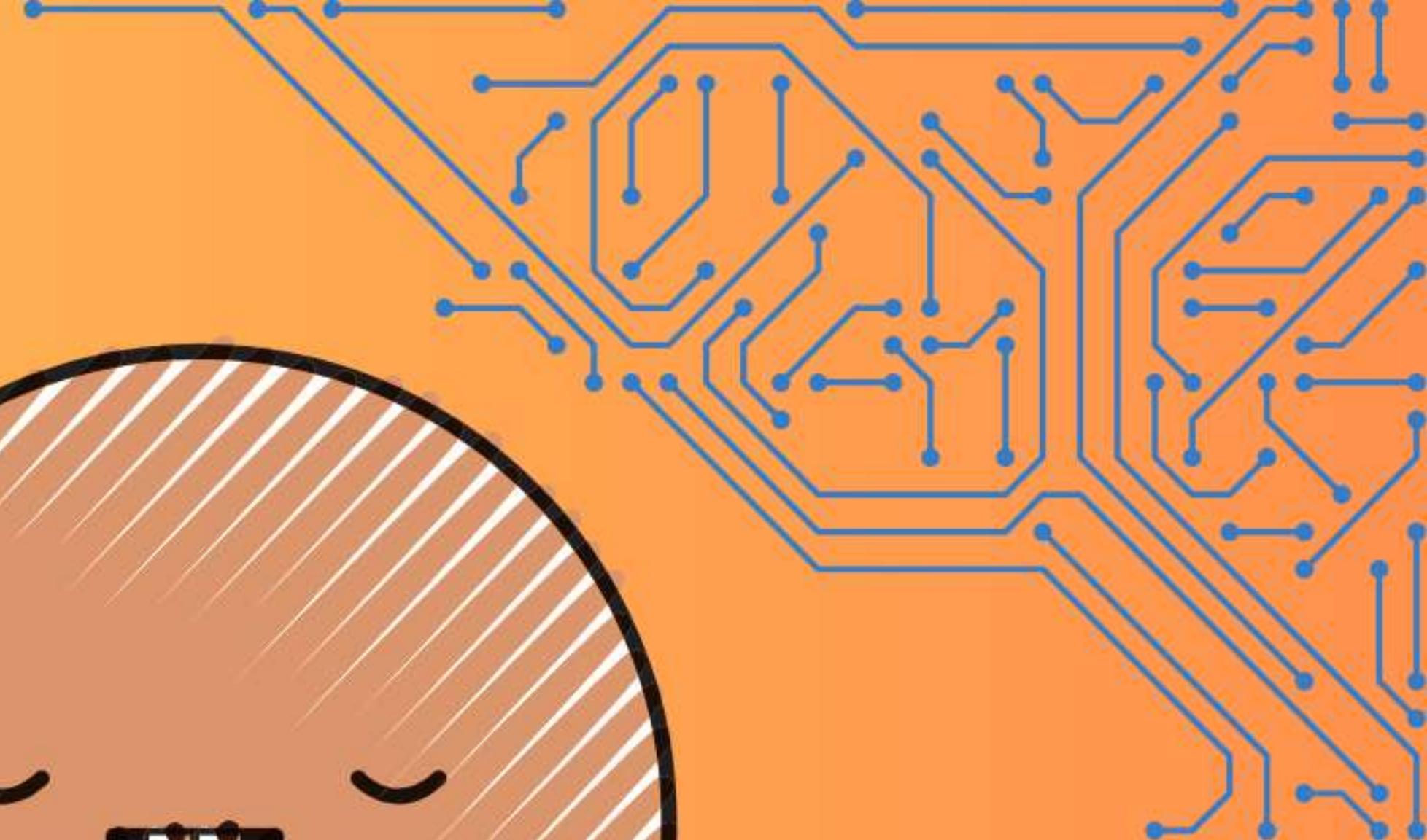
ALT.CTRL



GET CRAFTY!!!

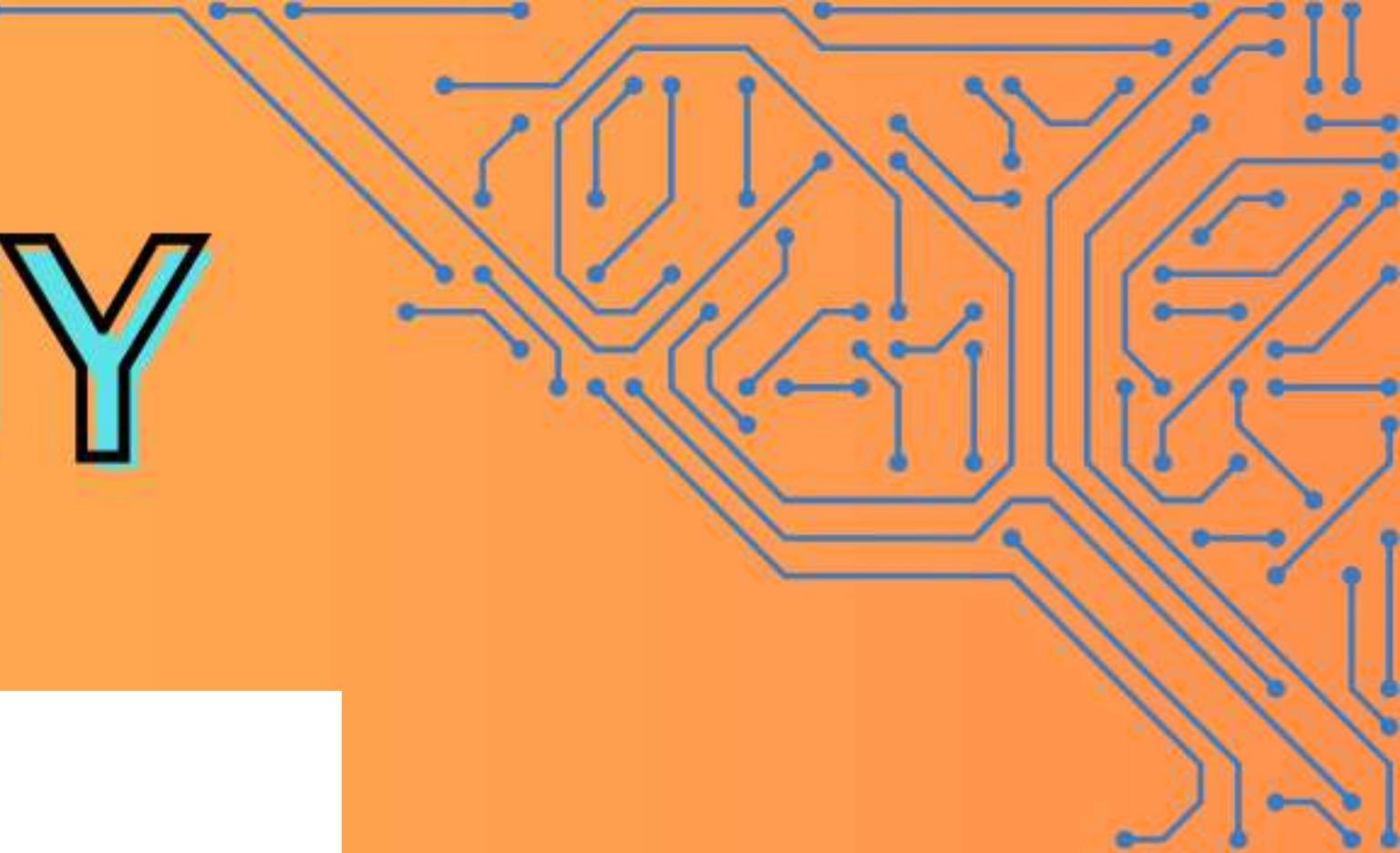


**ASK FOR HELP
ASK QUESTIONS
BE CURIOUS**



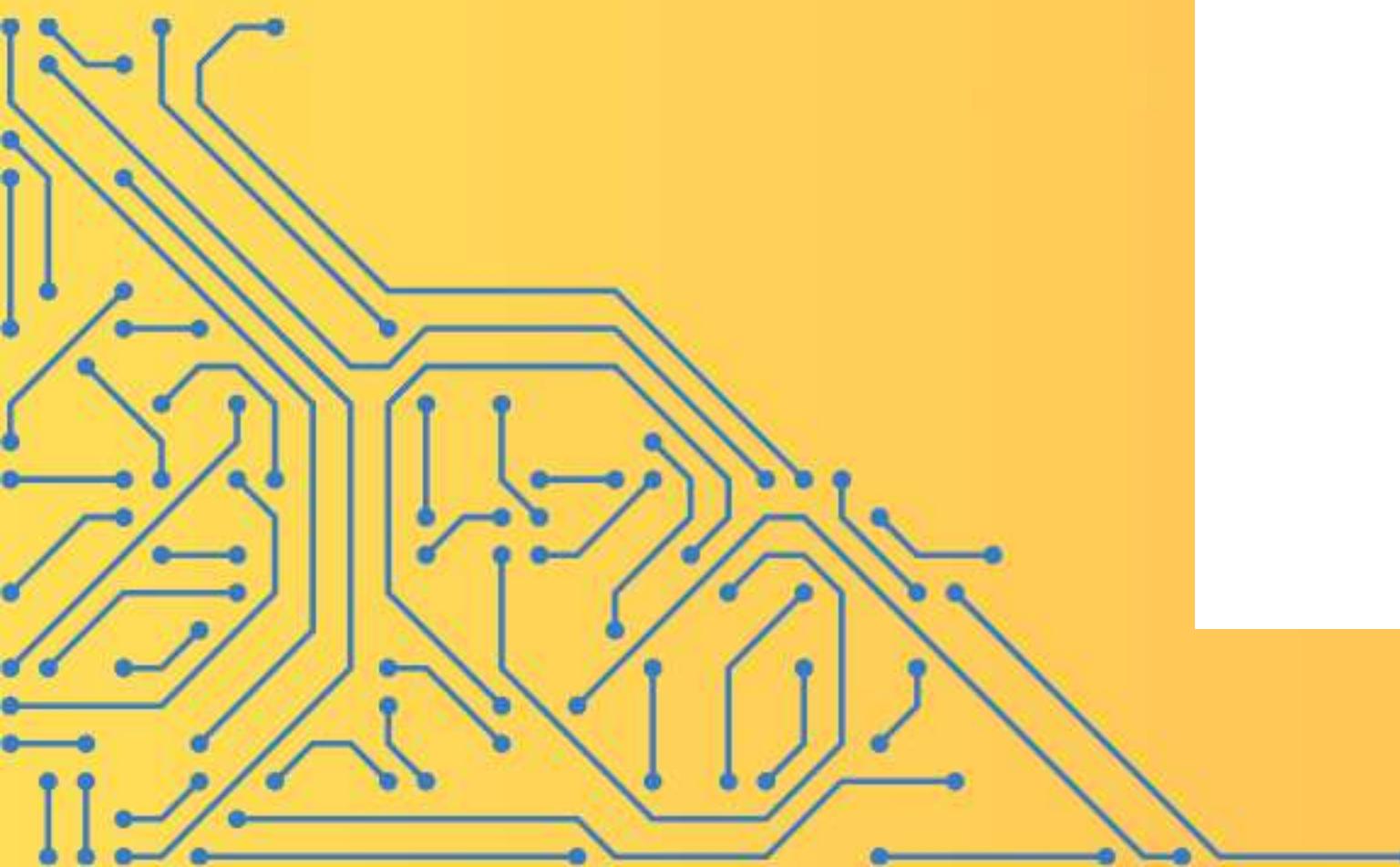


WHERE TO BUY



HARDWARE

- <https://makershop.ie> 🇮🇪
- <https://www.mouser.ie> 🇪🇺
- <https://pimoroni.com> 🇬🇧
- <https://thepihut.com> 🇬🇧
- <https://www.adafruit.com> 🇺🇸
- <https://ie.rs-online.com> 🇮🇪





RESOURCES

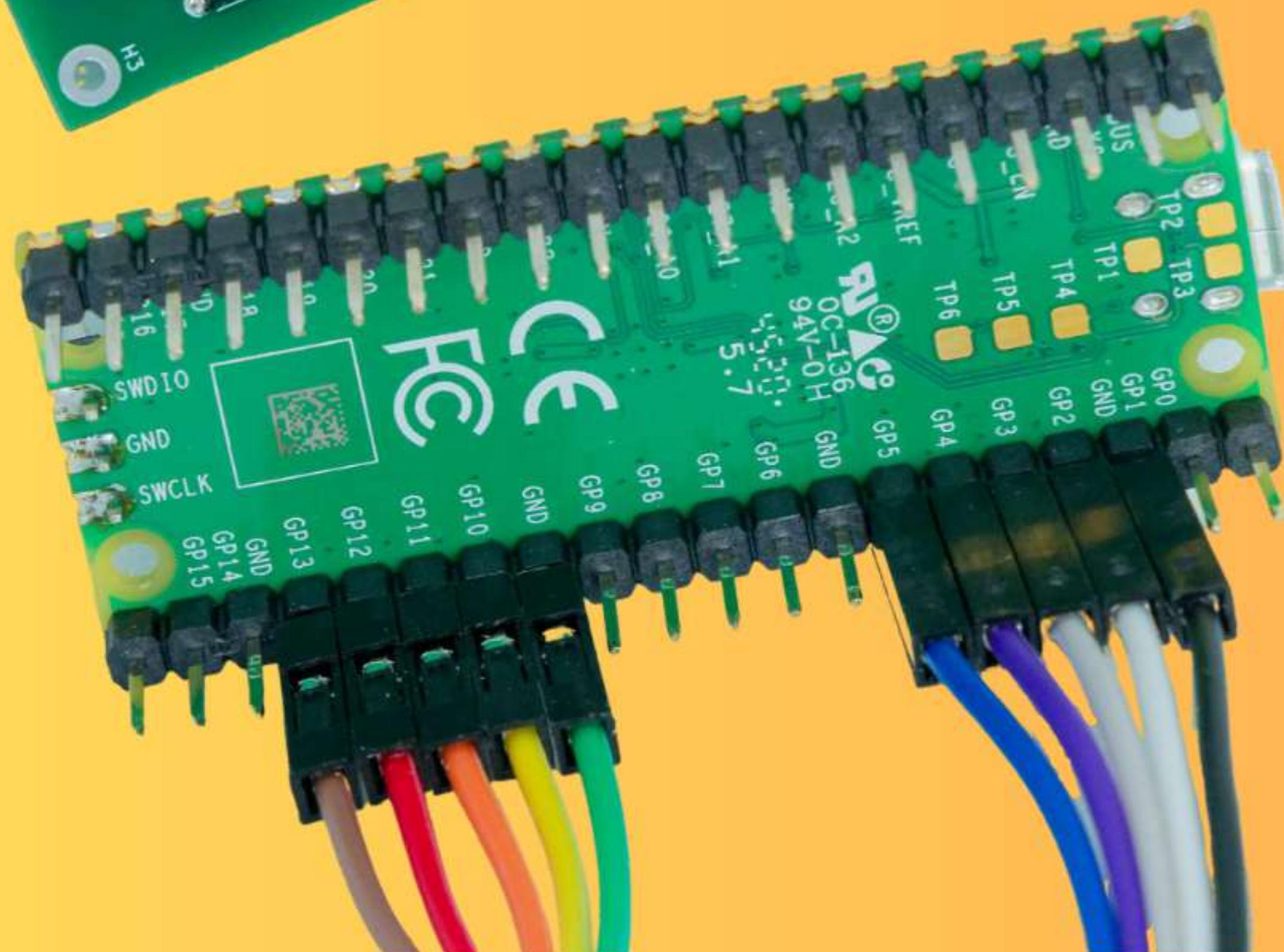
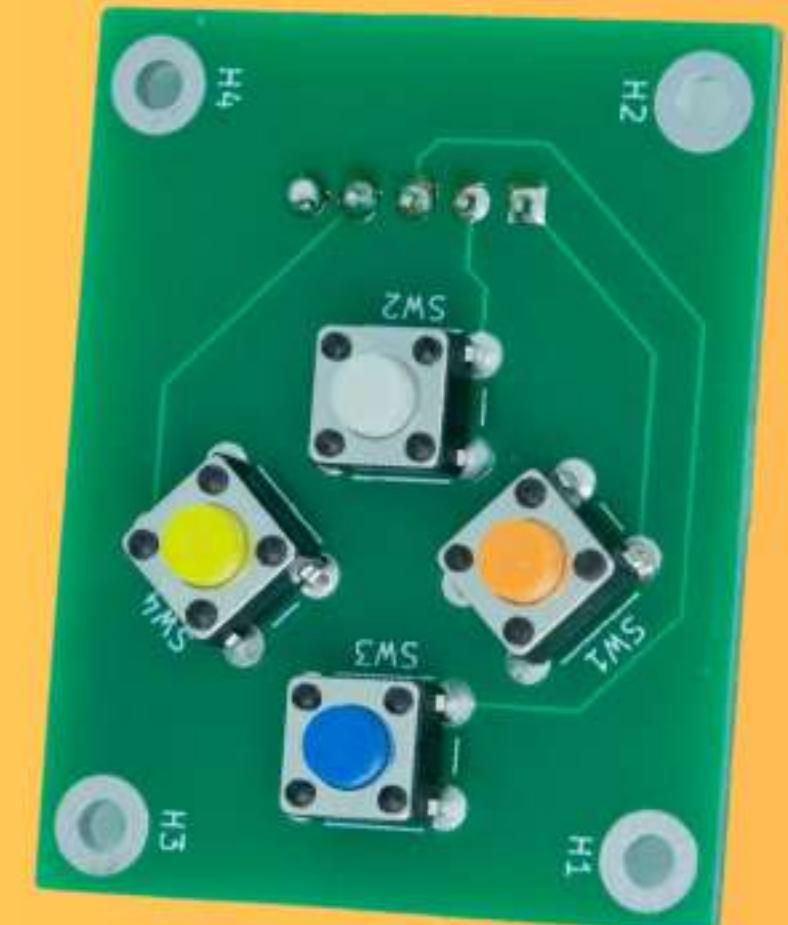
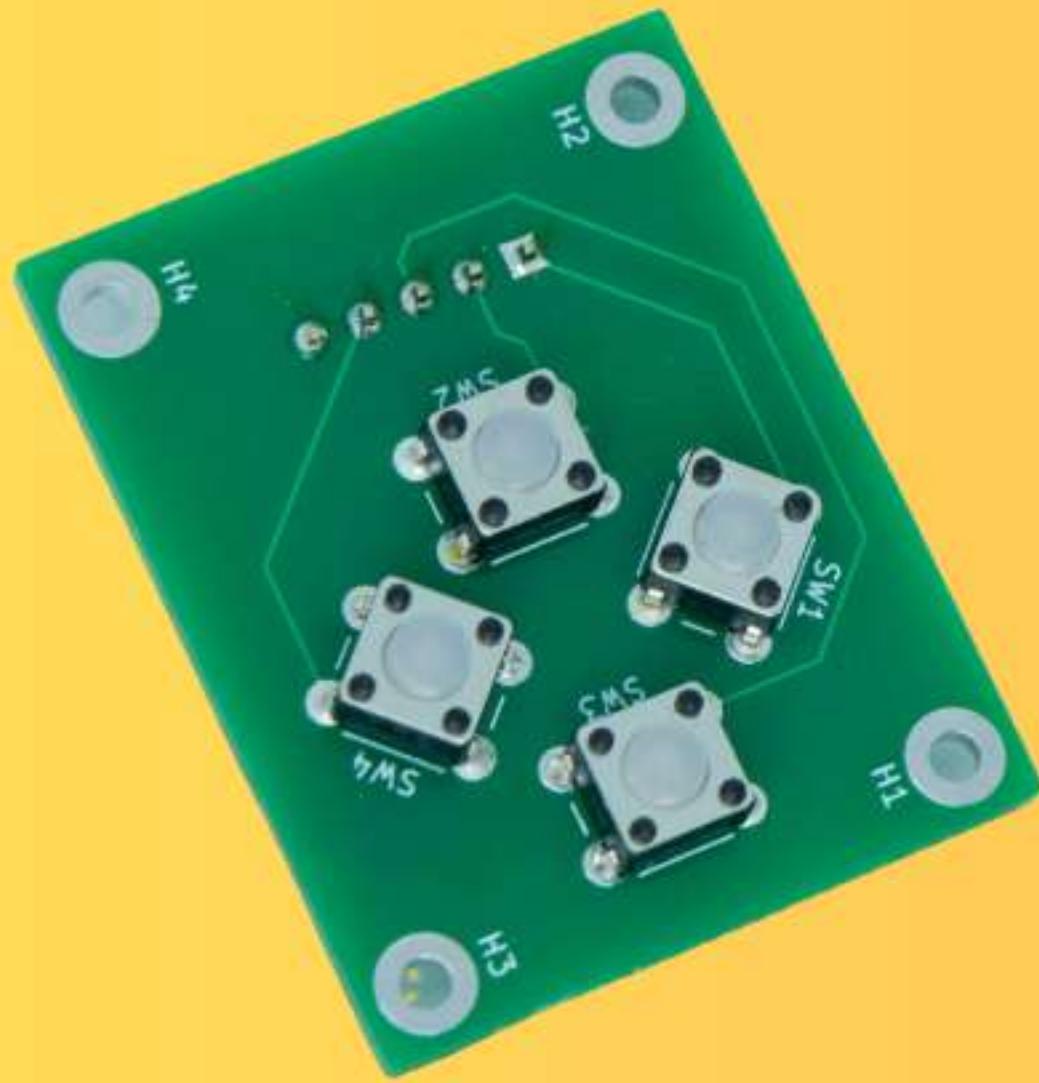
HARDWARE

- <https://www.raspberrypi.com/products/raspberry-pi-pico>

ALT.CTRL

- <https://shakethatbutton.com/about-alternative-controllers/>
- <https://itch.io/jam/alt-ctrl-at-home>
- <https://www.wobblylabs.com/line-wobbler>
- <https://gazor117.itch.io/milk-that-cow>
- <https://www.gamedeveloper.com/disciplines/alt-ctrl-gdc-showcase-i-milk-that-cow-i->
- <https://gdconf.com/alt-ctrl-gdc>
- alt.ctrl.GDC '22: https://youtu.be/6IV6z_LaBZU?si=arfCfrujwbsWMe4R
- Alt.Ctrl.GDC '23: <https://youtu.be/lpgenFzRu0Y?si=aQuY1rUOkqEkOqGt>
- Makers at alt.ctrl.GDC '23" https://youtu.be/VhqL1_ks3Yc?si=NHApHfRgHn8fcOQ

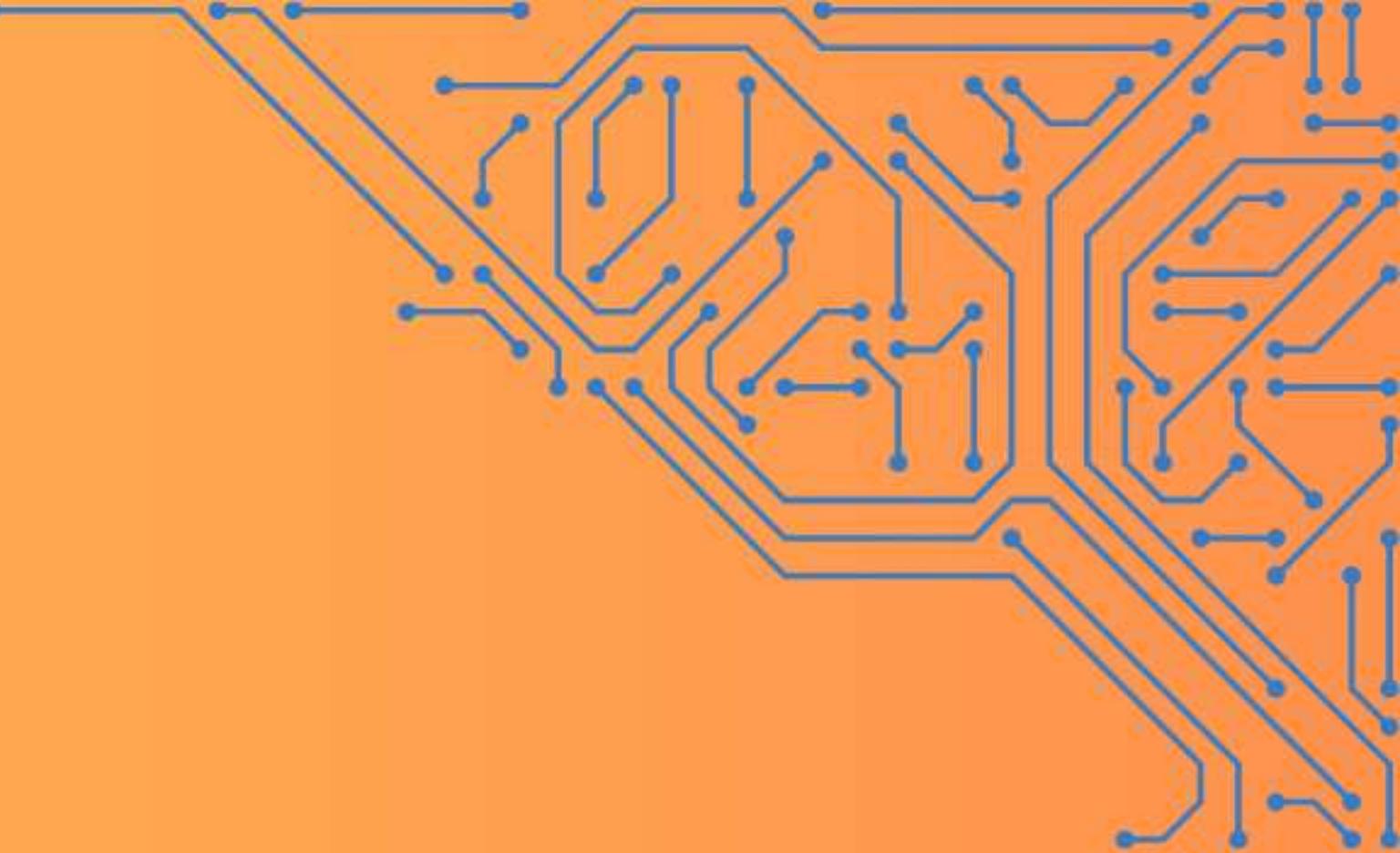
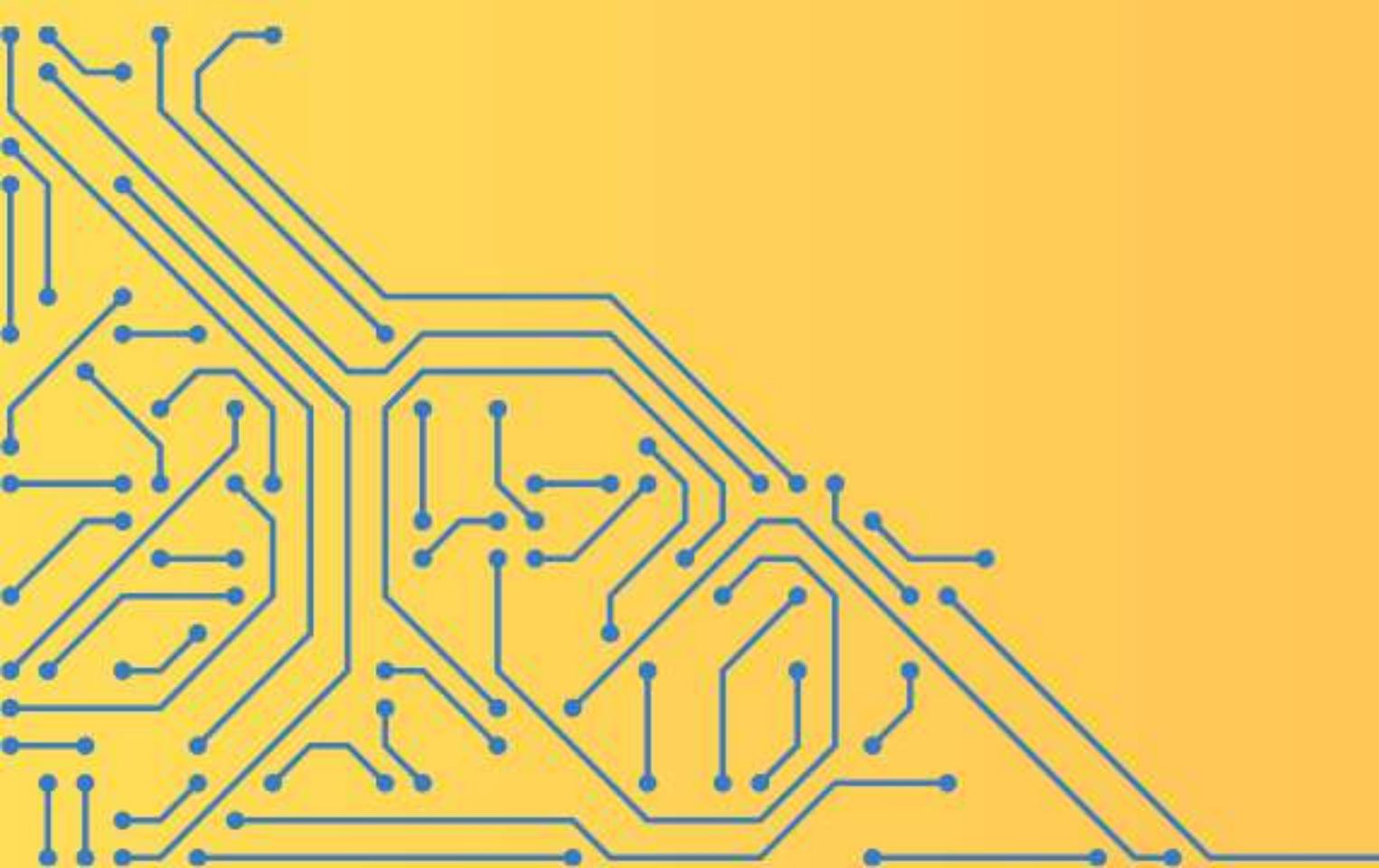
ALT.CTRL

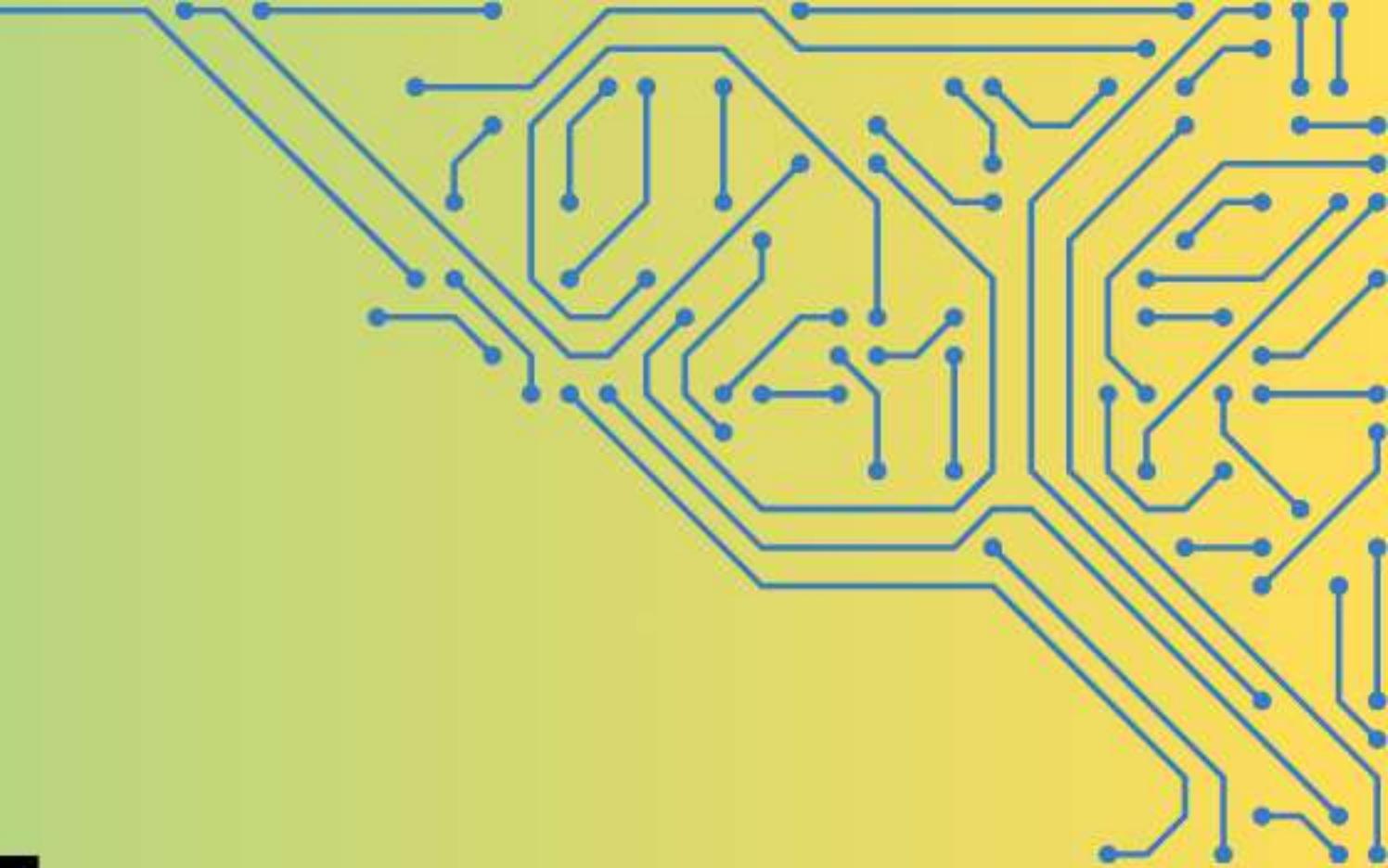


Source Code & Hardware Design

<https://github.com/micktwomey/alt-controller-jam>







info@gamecraft.it



GameCraft It



@GlobalGameCraft

