

Disco Creative Code Workshop

2.20.22

Nina Lutz

Agenda

- I'm going to intro myself + creative coding (sorta)
- I'm going to then live code a sketch. It's ok if you can't totally keep up with the live code — especially if you are brand new to coding!
- All resources are on the page you used to sign up, so you can see the completed code and copy from it and use it to make rifts on the design as you see fit!
- Feel free to interrupt me with questions as I go!

Who am I?

Nina Lutz (she/her)

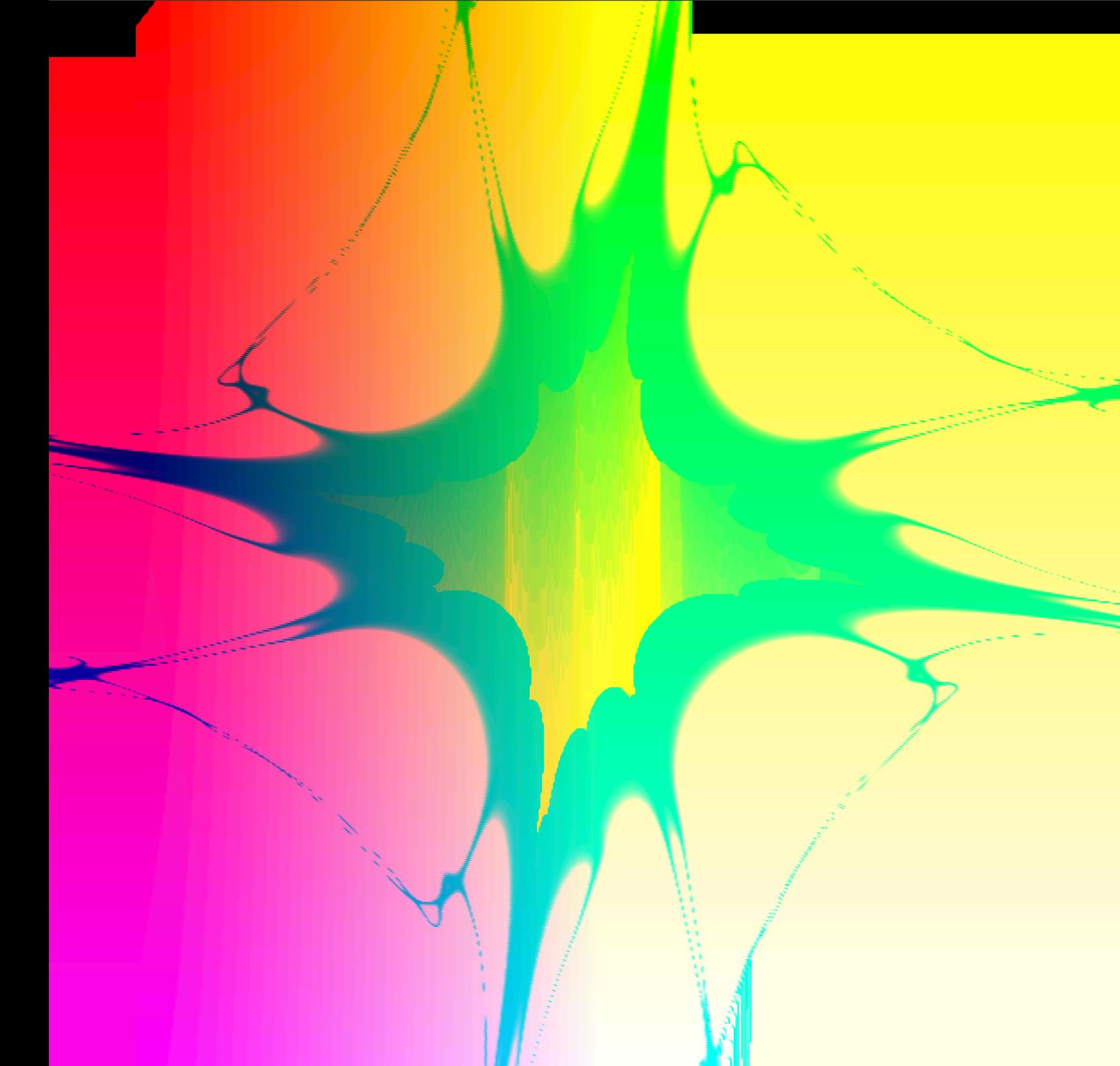
- Now: PM at Redfin
- Then: MIT, Apple, MIT Media Lab
- I've always loved teaching and creating and crafting. I do these workshops both informally by myself but also with some nonprofits and museums or schools! :)
- I've been teaching CS in some form or another since 2016
- Twitter: @ninasketches, @ninalikespi



Who I hope you are!

- A human
- That is excited to either learn a totally new way of creating
- OR something new that you didn't know that code could previously do
- OR just to hang out and create and learn :)
- OR one of my friends from college that I begged to be here so the Google call wasn't empty <3

I post daily code sketches in p5.js @ninasketches



Not a practicing artist or even a “creative coder” but I like teaching and sketching so here I am!

I first learned to code in Processing while working for Ira Winder in City Science at the MIT Media Lab!

I also wrote an essay
about daily sketches
in 2020.

All of this is online —
@ninasketches on Twitter

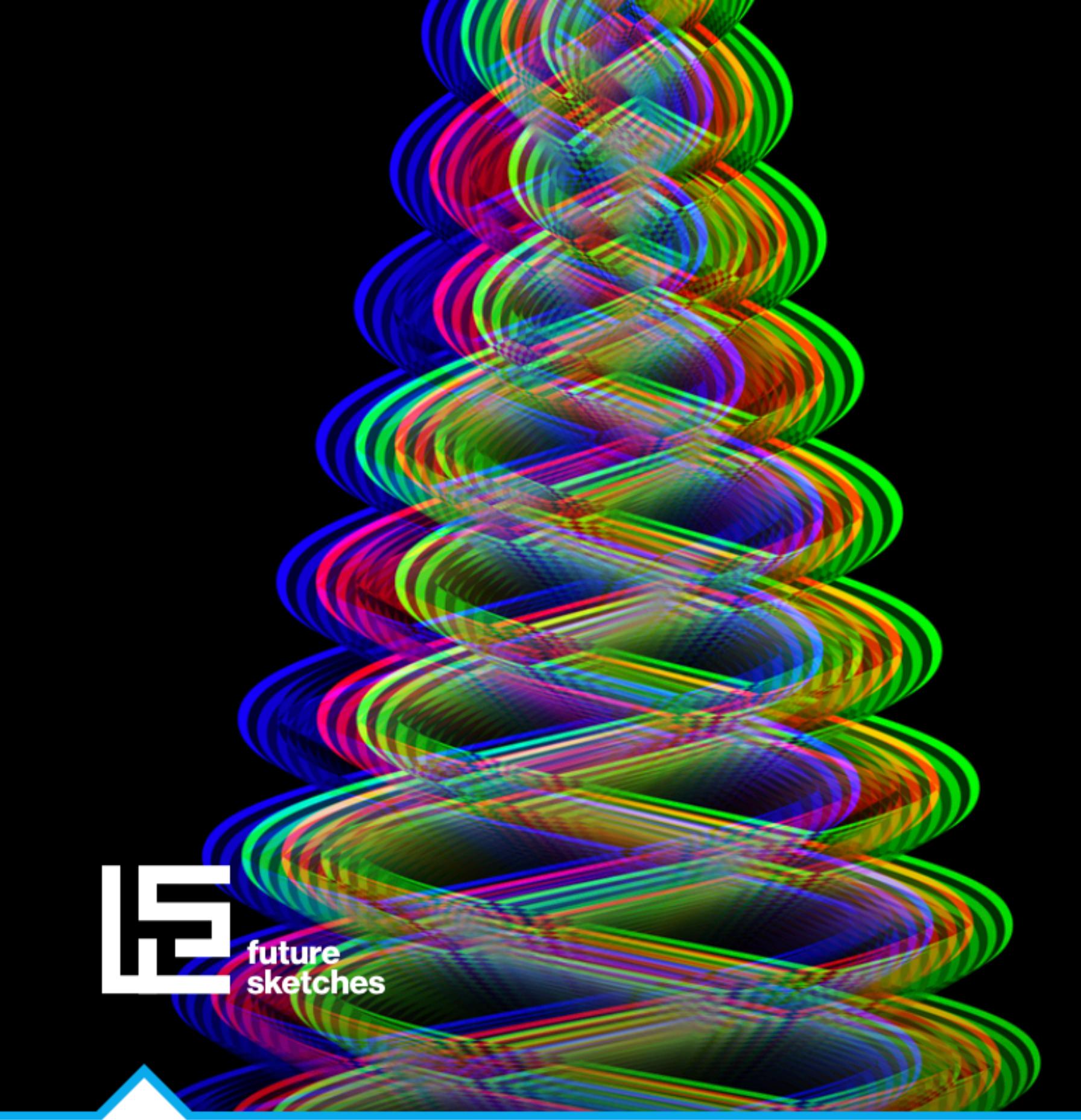


Research

[A Year \(2020\) of \(almost\) Daily \(code\) Sketches](#)

Nina Lutz, "A Year (2020) of (almost) Daily (code) Sketches"

Article, Jan. 2021
in Future Sketches



How are these made?

p5.*js

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Hello!

Search p5js.org

p5.js is a JavaScript library for creative coding, with a focus on making coding accessible and inclusive for artists, designers, educators, beginners, and anyone else! p5.js is free and open-source because we believe software, and the tools to learn it, should be accessible to everyone.

Using the metaphor of a sketch, p5.js has a full set of drawing functionality. However, you're not limited to your drawing canvas. You can think of your whole browser page as your sketch, including HTML5 objects for text, input, video, webcam, and sound.

[Check out the new p5.js 2020 showcase!](#)

[Start creating with the p5 Editor!](#)

All of my sketches
are in p5.js — a
javascript library
for creative coding.

p5.js was made by
Lauren Lee
McCarthy.

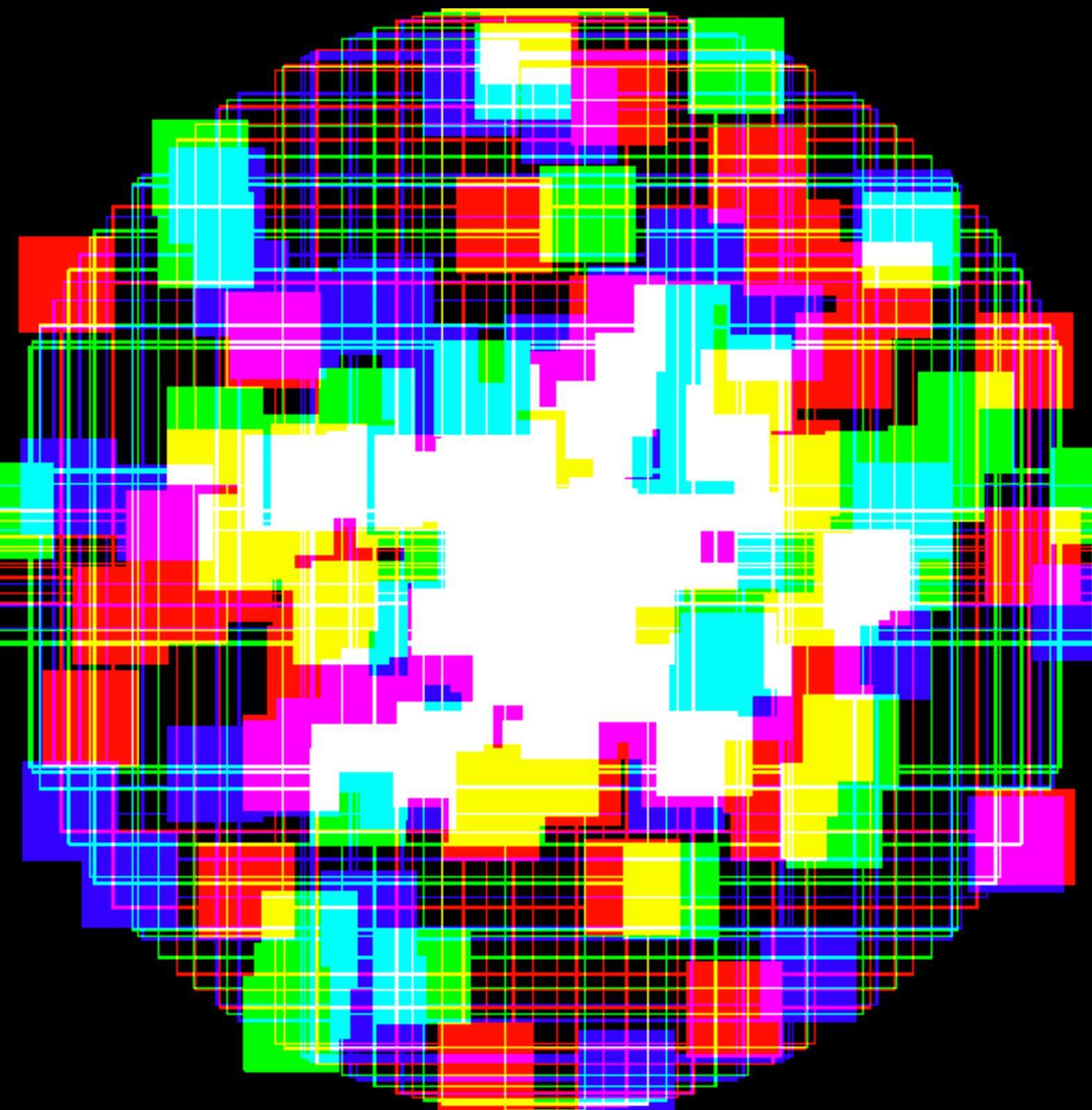
You don't have to be a coder or programmer to start with creative coding! :)

Nor do you need any fancy software, licenses, or certifications!

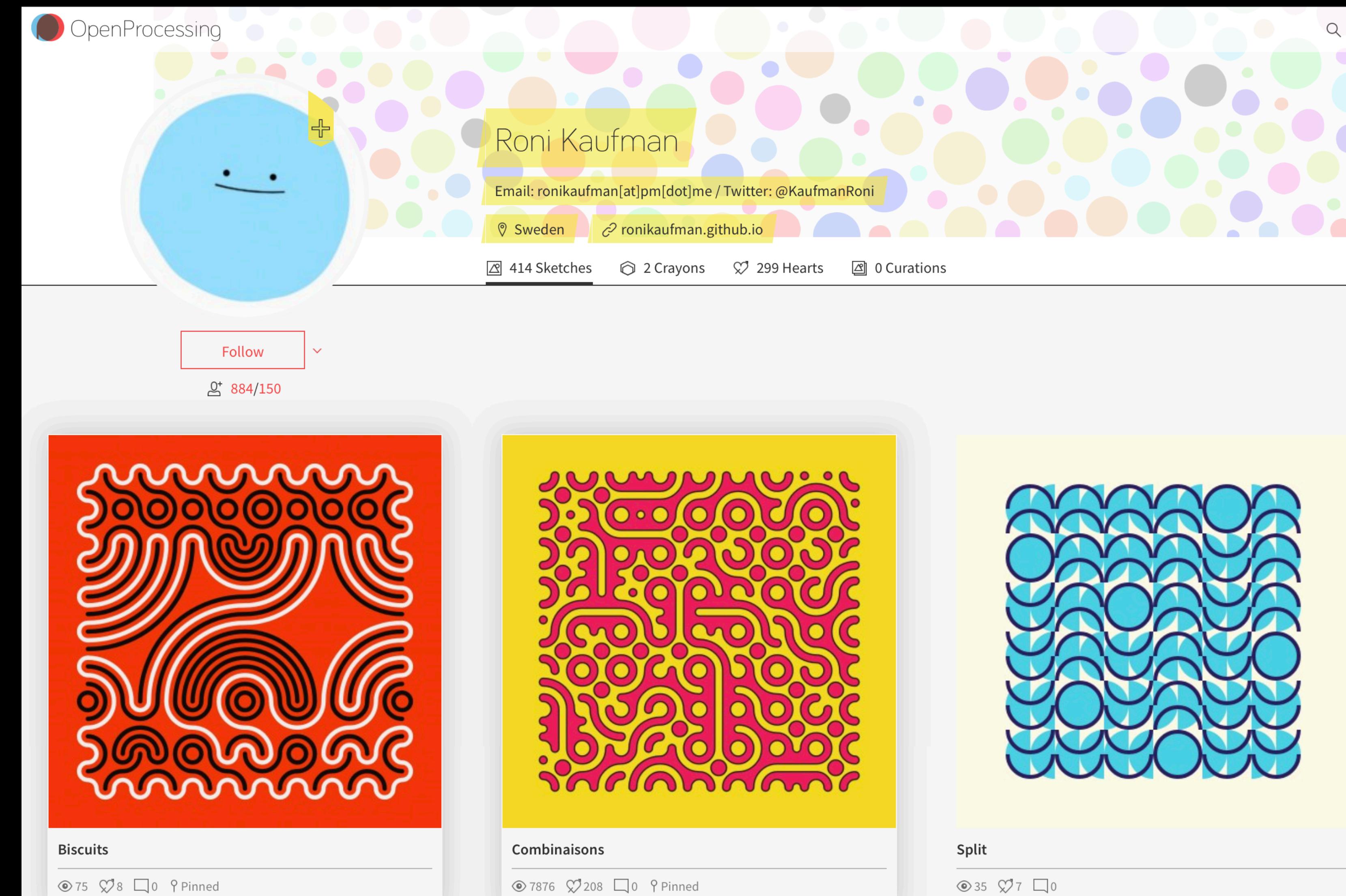
You can create right on the web editor in p5.js or on your computer. Today we'll be doing the web editor!

This is the sketch we'll be coding today!

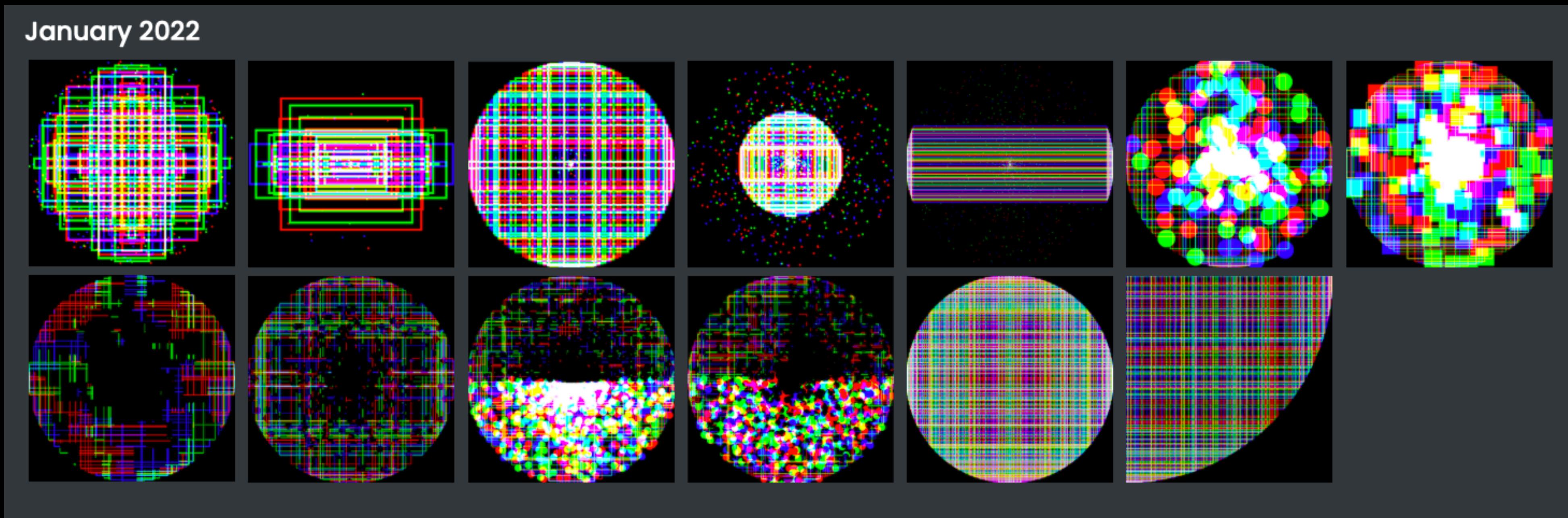
We will be creating a function
to draw some cool layering of
shapes!



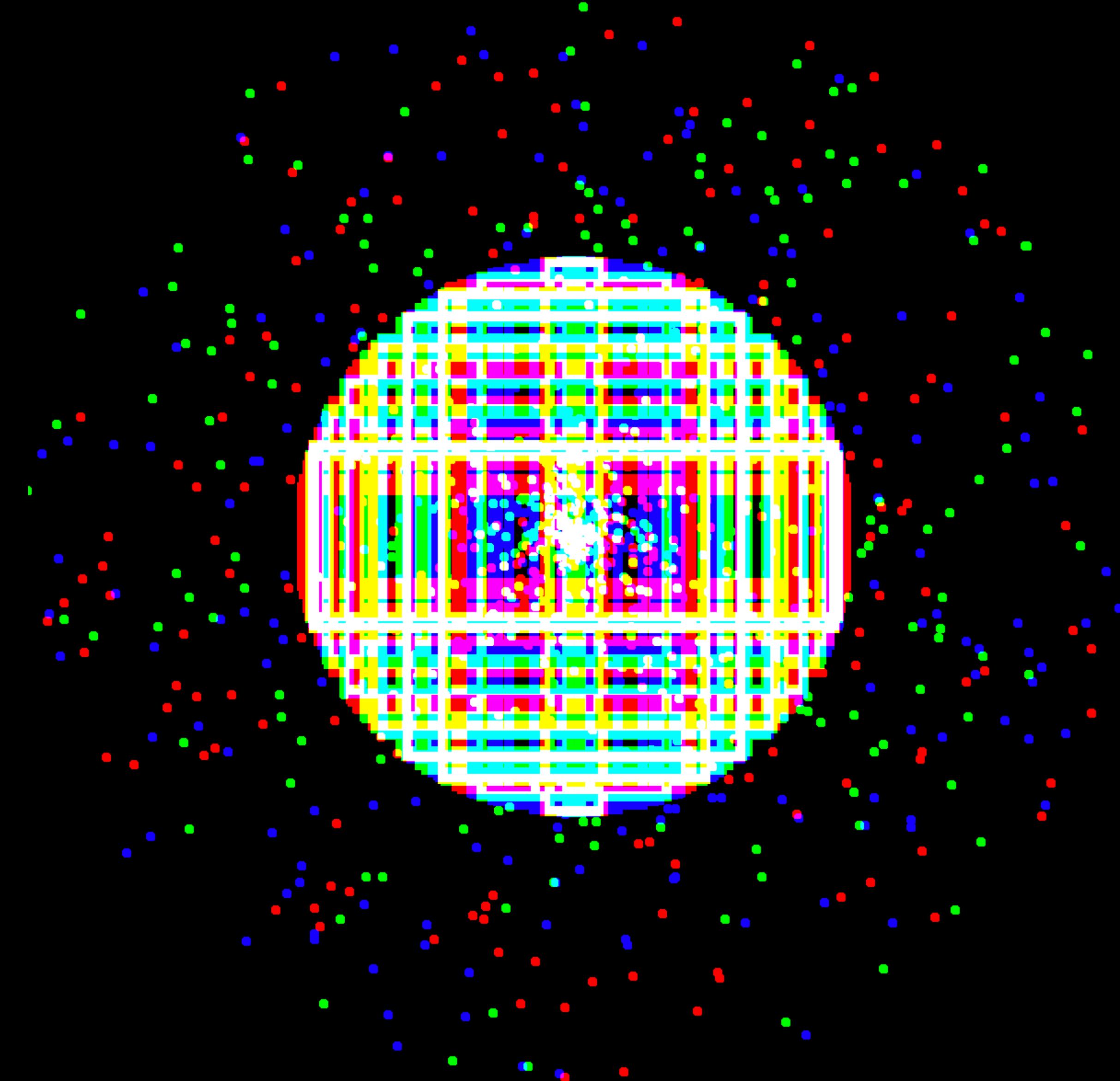
**First – thanks
Roni Kaufman
for the original
function +
inspo for this
series!**



By changing very few parameters, you can make totally new sketches!

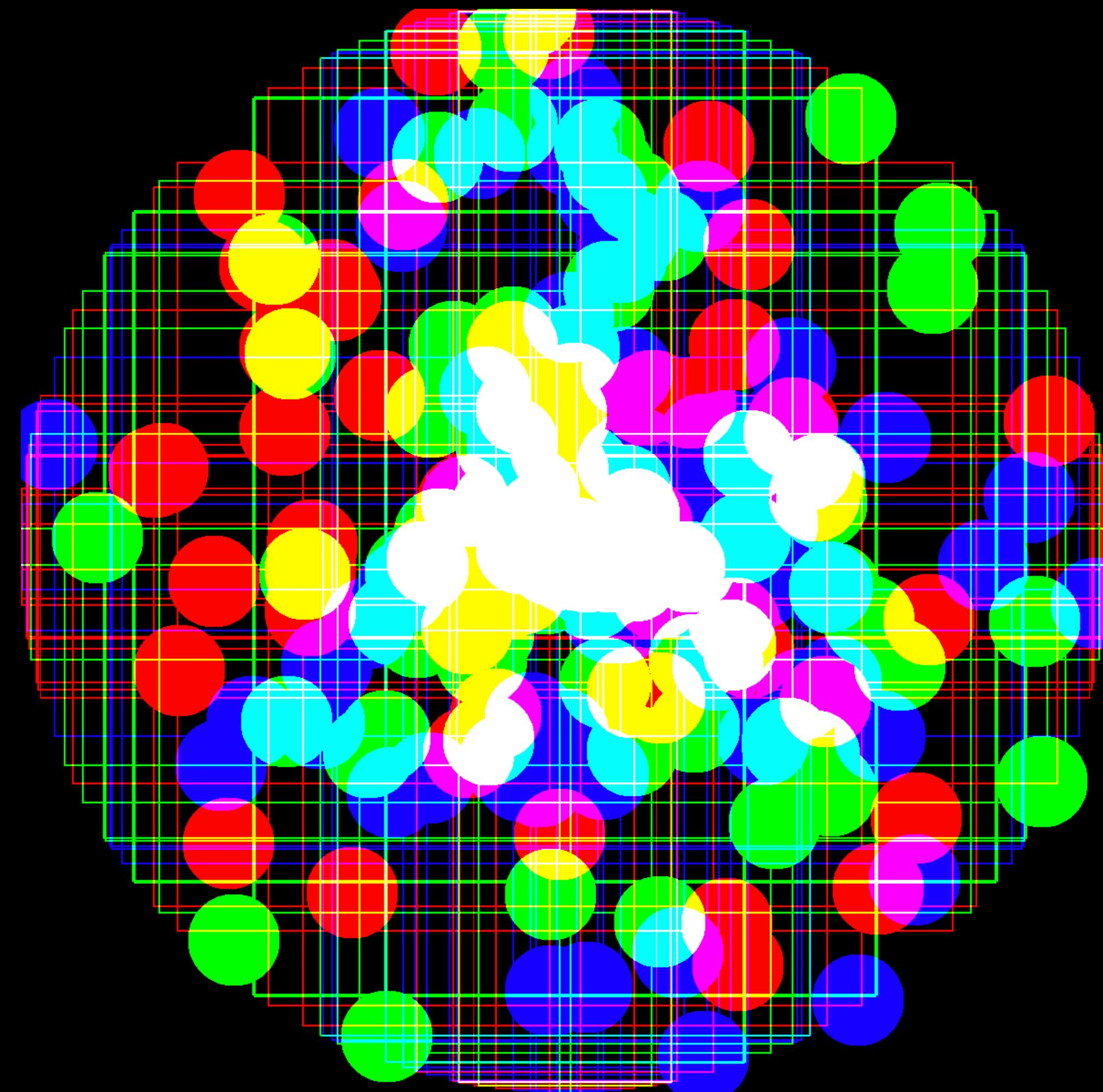


Questions?



Ok – let's code! Go to <https://editor.p5js.org> if you want to follow along and code your own sketch while I code!

Questions?



THANKS! :)

