

Curator's Note + Artwork Description

CURATOR'S NOTE

NODES AND EDGES by Casey Reas

For the last twenty five years, I've shared my time and ideas with artists who write code. The internet has always been essential for us, because the web isn't just a space for documentation—it's the main place where our work is shared and discussed. For many of us, the internet is also the primary place to exhibit work, and be in community. The **Social Codes** online exhibition is a view into this community of hybrid artists/coders in 2021.

Social Codes is an exhibition of software art, also called generative art. All of the work is comprised of code written by artists to create visual experiences. Some works in the exhibition relate to the visual histories of drawing, painting, animation, and video, but all of it is native digital art, in that each artwork is a performance of code choreographed by the artist.

Artists have been working with code since the 1960s, and within that time frame, code has evolved from languages written by engineers to run on room-sized computers to artist-created coding languages running inside a web browser. In 2021, artists are writing code in many languages and environments. Each programming language is like a different material to work with.

As I started working on this exhibition in September 2020, I asked the following on Twitter: "I'm researching 'generative art' on 'social media' with a focus on the ~present. Who's doing the most interesting work in this space? Twitter, Instagram, Tumblr, OpenProcessing, etc. What do you think?" Over a few days we created a [public document](#) with a crowdsourced list of over three hundred people. This was the seed that grew into this exhibition.

In **Social Codes**, the artists' works are presented together in an intentional way, instead of spread out across different online platforms and accounts. The majority of the work in Social Codes is related to the coding platform Processing and the JavaScript library p5.js. As one of the co-founders of Processing, I'm tuned into that community more than others, so the artwork in **Social Codes** clearly doesn't represent everything happening within this online space right now. So, if this is your first time seeing this type work, I hope you'll go on to seek out more of it. There are decades of amazing works to explore, all through your browser.

ARTWORK DESCRIPTION

Raven Kwok's work is always inventive and meticulous, and **IDE94**, his piece in Social Codes, is no different. **IDE94** is a generative visual artwork based on a two-dimensional tree map structure. Its random yet organic visual texture and motion pattern are created by controlling nodes on every recursion level of the tree structure, and by assigning a position for each node, Kwok dynamically changes the density and pattern of the consecutive line segments within the finite space. **IDE94** is a semi-automatic artwork; it constantly changes its own geometry, but at any moment the viewer can pull and stretch it apart, only to watch it return to its starting point, step by step.

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