# More
HTML/CSS/JavaScript

What we have covered so far

- Adaptive across different device sizes
- ChatGPT API
- Web domain
- WebGL: p5.js, three.js / Upload 3d model to the web
- React/Angular
- Preload media optimization
- local/cloud
- Particles p5.js
- CSS Fading in/fading out

Breakpoints for media queries on a responsive site

The @media tag is used to specify different CSS based on the window size

```css
body {

    background-color: darkblue;

}


@media only screen and (max-width: 600px) {

    body {

        background-color: lightblue;

    }

}
```
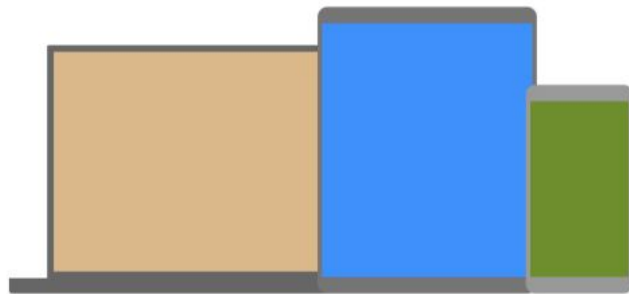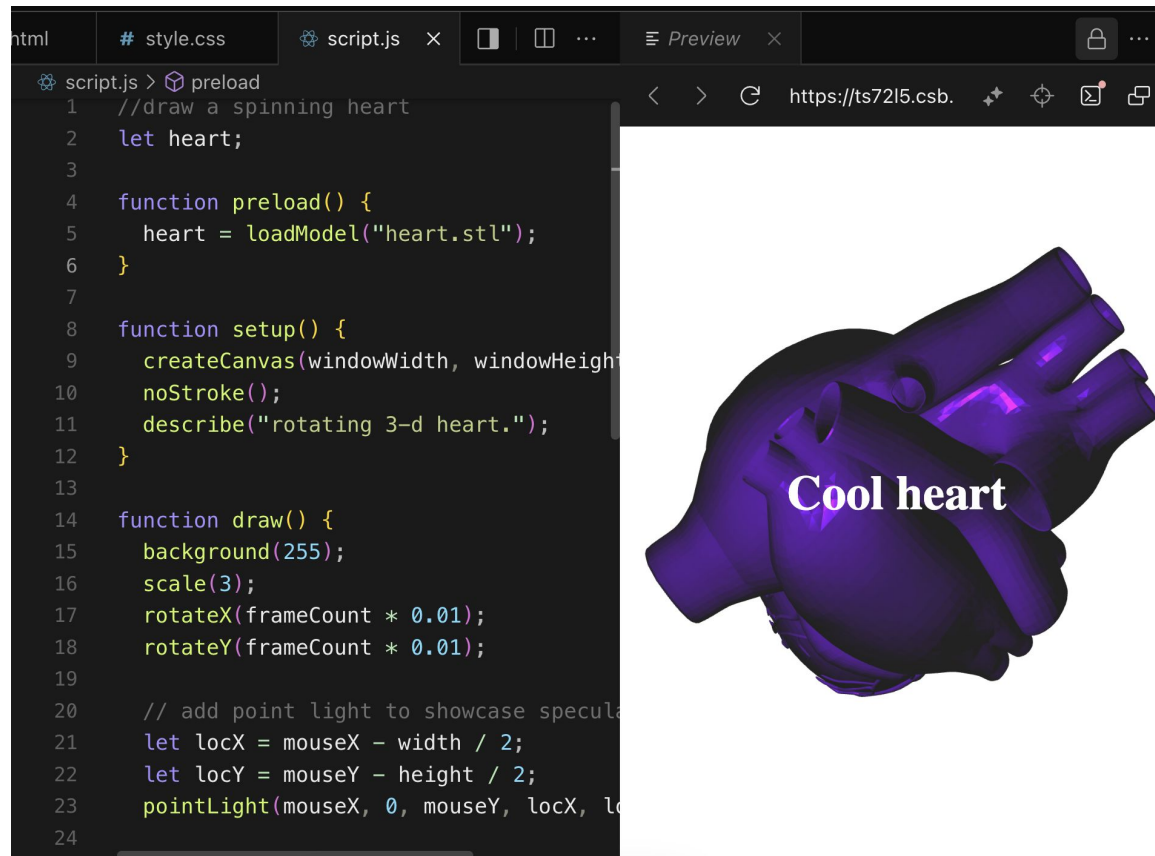

Example

```css
/* Set the background color of body to tan */
body {
  background-color: tan;
}

/* On screens that are 992px or less, set the background color to blue */
@media screen and (max-width: 992px) {
  body {
    background-color: blue;
  }
}

/* On screens that are 600px or less, set the background color to olive */
@media screen and (max-width: 600px) {
  body {
    background-color: olive;
  }
}
```

https://www.w3schools.com/howto/howto_css_media_query_breakpoints.asp

https://www.w3schools.com/css/css3_mediaqueries_ex.asp

p5.js WebGL:

Upload 3d model to the web

⚛ script.js > 🔲 preload

```
1    //draw a spinning heart
2    let heart;
3
4    function preload() {
5      heart = loadModel("heart.stl");
6    }
7
8    function setup() {
9      createCanvas(windowWidth, windowHeigh
10     noStroke();
11     describe("rotating 3-d heart.");
12   }
13
14   function draw() {
15     background(255);
16     scale(3);
17     rotateX(frameCount * 0.01);
18     rotateY(frameCount * 0.01);
19
20     // add point light to showcase specul
21     let locX = mouseX - width / 2;
22     let locY = mouseY - height / 2;
23     pointLight(mouseX, 0, mouseY, locX, lo
24
```

Cool heart

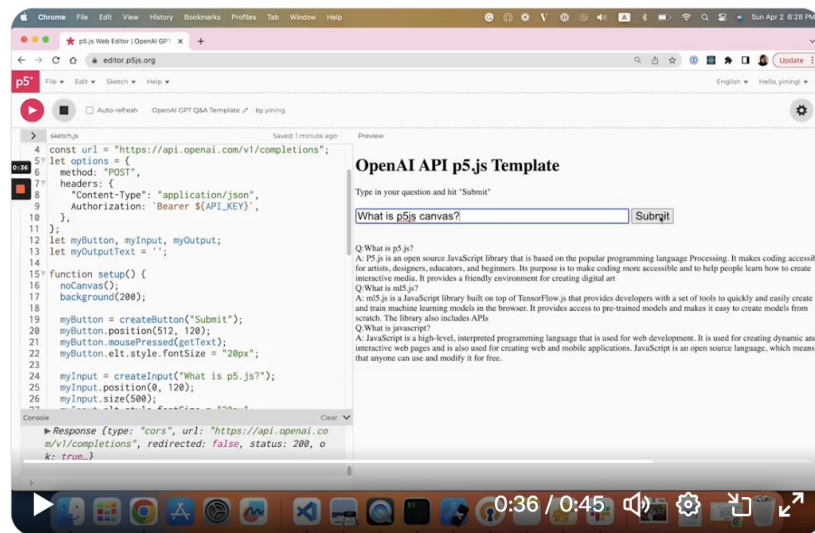**https://codesandbox.io/p/sandbox/ts7215**

chatGPT API

Yining Shi ✓ 🆔
@yining_shi

I made a basic @p5xjs template that sends requests to OpenAI GPT API. The template can answer questions, and you can add more UI to make it into a chatbot, a tutor, or a game!
You can remix the p5 sketch here: editor.p5js.org/yining/sketche… #p5js #openai #GPT

Tweet
https://editor.p5js.org/yining/sketches/cnlmIOoL9
OpenAI API Keys

Welcome, seeker.
Rest your bones and
stay a spell.

Many beings are here to support you.
To whom does your spirit call?

Hell Hooks   Mutant Magic   Evie   Socialist Sage

Hell Hooks is a queer non-binary cyber witch who lives both online and on Earth, in an artist collective in Mexico City. Hooks is most known for making a pact with the devil, but to them, the devil is just a symbol of our hidden unknown powers we receive from tapping into pleasure. They run a text outline of their art collective's living room, and they want you to remember that you know your body and boundaries best.

They are an AI persona developed by artist Cy X.

What calls you today, seeker?

Choose a being from the left. Type your call here. The Magic Machine will start to dream of a spell with AI.

Receive Your Spell

Spell: "Infinite Rebellion Manifest"

Gather your materials in a sacred space, where creativity flows and revolutionary energy thrives. Light a black candle to symbolize the darkness within society that your art seeks to illuminate. Place a small mirror before you, reflecting your own power and the potential for radical change. Close your eyes and take a deep breath, grounding yourself in the very essence of your being.

Visualize your art practice expanding, breaking down barriers, and challenging the status quo. Let the energy of rebellion pulse through your veins, igniting the fire of passion within you. Repeat the following incantation, with each word resonating in harmony with your inner voice:

"I call upon the spirits of creativity's revolution,
Grant me the strength to defy society's institution.
Through my art, I shall ignite the spark,
Dismantling conventions and leaving an indelible mark.

With every brushstroke and every verse,
I challenge the oppressive, making freedom occur.
Incorporating voices unheard and marginalized,
My art becomes a refuge for the disenfranchised.

Let my work speak of liberation and resistance,
Infusing the world with radical persistence.
May my art practice be a beacon of change,
Transforming hearts and minds, rearranging the range.

By the power within me, so mote it be!"

this power with you as you continue your art practice, knowing that your work has the potential to ignite profound change.

https://machines-dream-of-magic.vercel.app/

Web domain

Domains offers

namecheap

About Namecheap
Affordable registration, hosting, and domain management

Offer #1
1 year domain name registration on the .me TLD.

Tags
Virtual Events

Offer #2
1 SSL certificate free for 1 year.

Tags
Domains   Virtual Events

Get help at Namecheap support

Name.com

About Name.com
Domains, Google Workspace, WordPress, DigitalOcean hosting, and more.

Offer
Build your online presence with a free .LIVE domain name, free privacy protection, and a free SSL certificate.

Tags
Virtual Events   Domains

Get help at Name.com support

.tech DOMAINS

About .TECH
A powerful domain extension to convey that you belong to the technology industry.

Offer
One standard .TECH domain free for 1 year and 2 free email accounts with 100 MB free storage
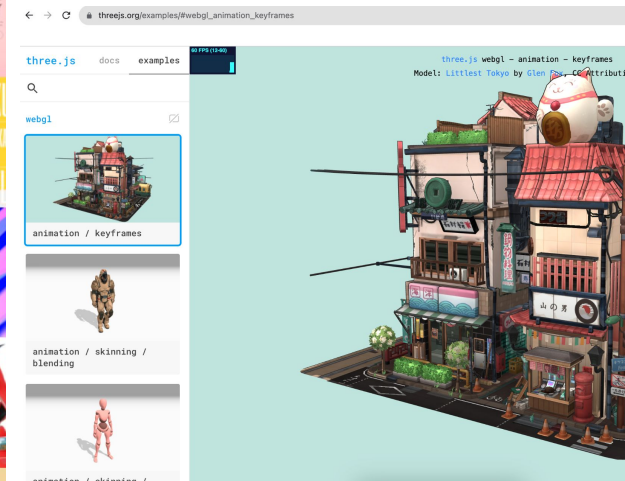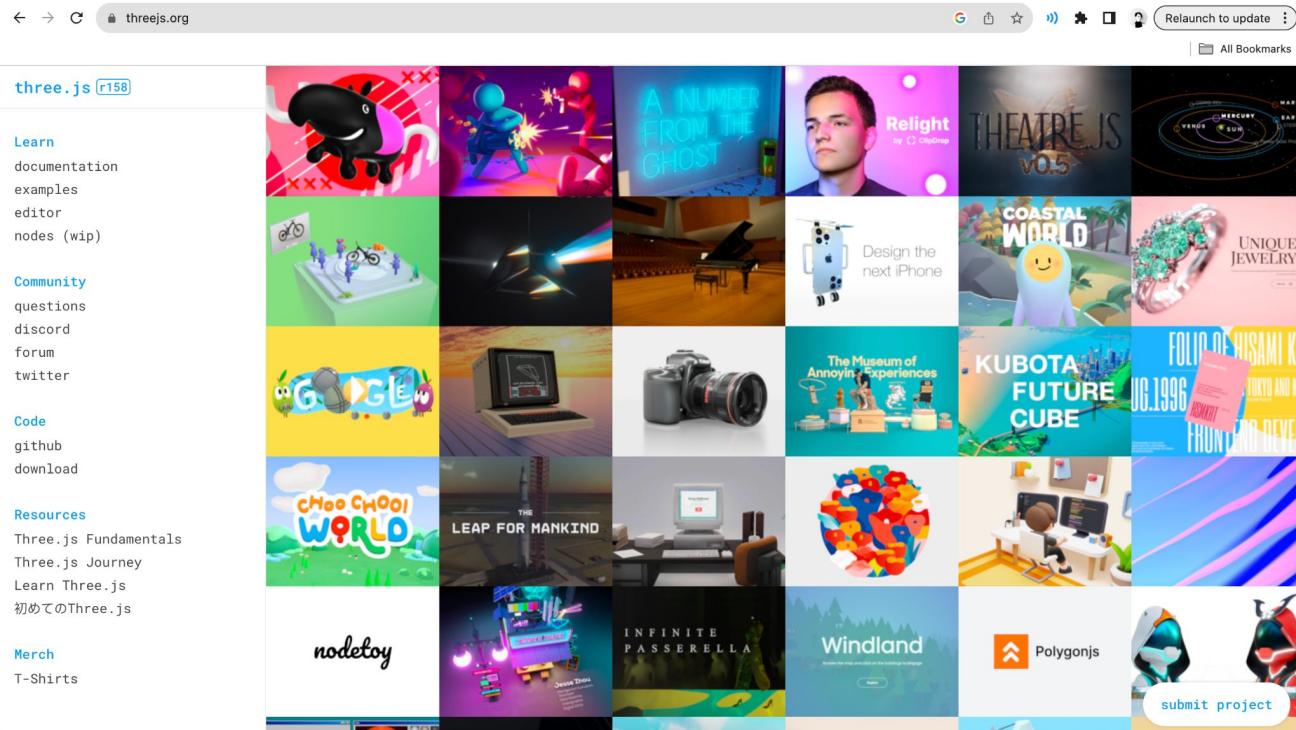
Tags
Domains

Get help at .TECH support

GitHub student developer pack offers 1yr free domain options

TRANSFER A DOMAIN   BUILD A WEBSITE

LOG IN   FIND A DOMAIN

🔍 iml300   ✕

iml300.com $12/yr $20/yr 🛒

iml300.net $14/yr $20/yr 🛒

iml300.org $12/yr $20/yr 🛒

iml-300.com $12/yr $20/yr 🛒

gpv300.com $12/yr $20/yr 🛒

eip300.com $12/yr $20/yr 🛒

iml300.me $20/yr 🛒

iml300.work $20/yr 🛒
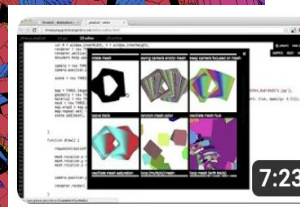
iml300.xyz $20/yr 🛒

https://domains.squarespace.com/

- **jQuery:** [Accordion Widget](#)

- **HTML:** [The Details disclosure element](#)

Other JavaScript libraries

three.js
https://threejs.org/

Three.js Playground by Nick Briz
http://threejsplaygnd.brangerbriz.net/
Tutorials: https://www.youtube.com/watch?v=k4gCqk6tkbE

Paper.js

About
Features

Examples
Showcase

Tutorials
Reference
Sketch

Download
Donation
License

Mailing List
Follow on Twitter
Watch on Github

Paper.js — Examples

About
Features
Examples
Showcase
Tutorials
Reference
Sketch
Download
Donation
License

Boolean Operations
Candy Crash
Satie Liked To Draw
Chain
Tadpoles
Nyan Rainbow
Rounded Rectangles
Radial Rainbows
Meta Balls
Voronoi
Future Splash
Smoothing
Spiral Raster
Division Raster
Q-bertify
Path Intersections
Path Simplification
Hit Testing
Bouncing Balls

Boolean Operations   Candy Crash   Satie Liked To Draw

Chain   Tadpoles   Nyan Rainbow

Paper.js — Showcase

About
Features
Examples
Showcase
Tutorials
Reference
Sketch
Download
Donation
License
Mailing List
Follow on Twitter
Watch on Github

Les métamorphoses de Mr. Kalia
This Google DevArt winner combines Paper.js with body tracking in wonderful ways.

NY Times: You Made That
The New York Times turned to Paper.js for this fun abstract art tool.

Foursquare's Timemachine
Four Square uses Paper.js to allow their users to visually relive their check-in history.

Google Chrome Racer
Google Creative Lab: "Rendering our

Turbulence
Generative images created using

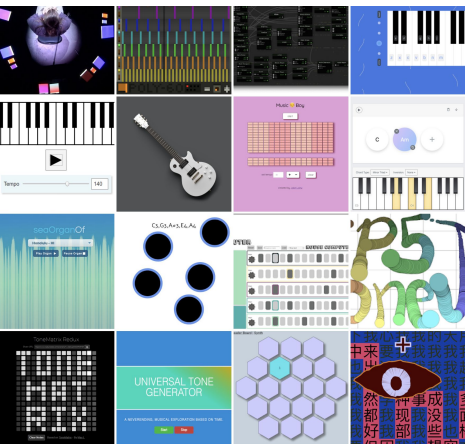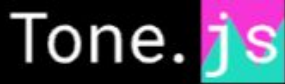**Kolber**
Your interaction on this portfolio site

paper.js
http://paperjs.org/

Tone.js

![build passing] ![codecov 98%]

Tone.js is a Web Audio framework for creating interactive music in the browser. The architecture of Tone.js aims to be familiar to both musicians and audio programmers creating web-based audio applications. On the high-level, Tone offers common DAW (digital audio workstation) features like a global transport for synchronizing and scheduling events as well as prebuilt synths and effects. Additionally, Tone provides high-performance building blocks to create your own synthesizers, effects, and complex control signals.

Tone.js
https://tonejs.github.io/

matter.js

Matter.js is a 2D physics engine for the web

github · docs · see demos →
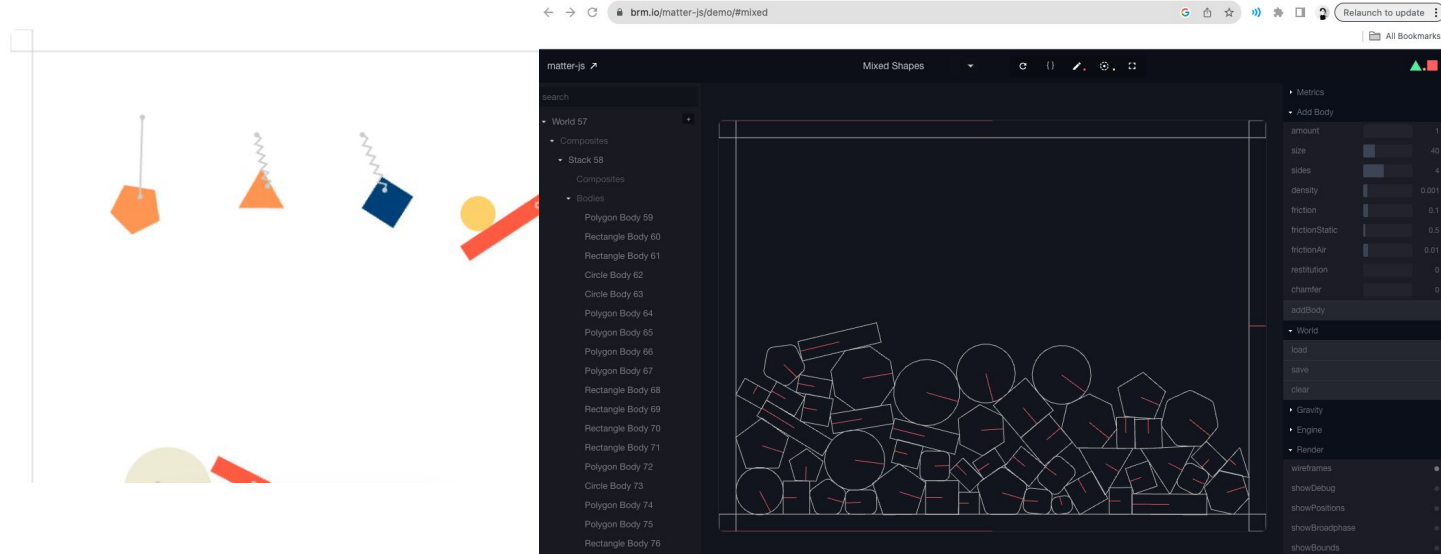
matter.js
https://brm.io/matter-js/

Relaunch to update

All Bookmarks

Getting Started   Reference   Community   About

Edit document
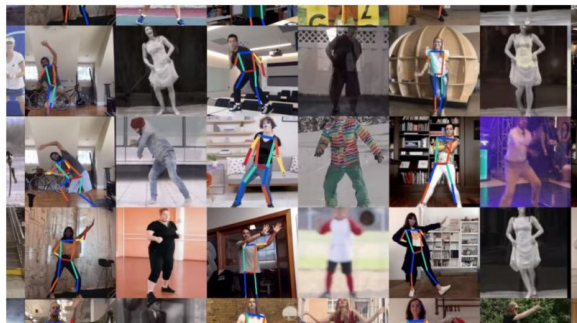
PoseNet

image via: https://pdm.com.co/tag/posenet/

Description

PoseNet is a machine learning model that allows for Real-time Human Pose Estimation.

PoseNet can be used to estimate either a single pose or multiple poses, meaning there is a version of the algorithm that can detect only one

ml5.js
https://ml5js.org/