



**WYNNE'S**  
coding pros

## Top Javascript Libraries

Hi, Wynne Pirini here. I founded Wynne's Coding Pros to share everything I have learned about the *process* of learning to code.

I never started out as a coder. Originally I was a Chemical Engineer. Later, I became a project manager. And then entrepreneur.

After making 100's of websites, I decided I should learn to code also.

In this report – I give you my collection of top Javascript libraries.

Javascript libraries allow for easier and faster frontend development – and there's a library for just about every purpose.

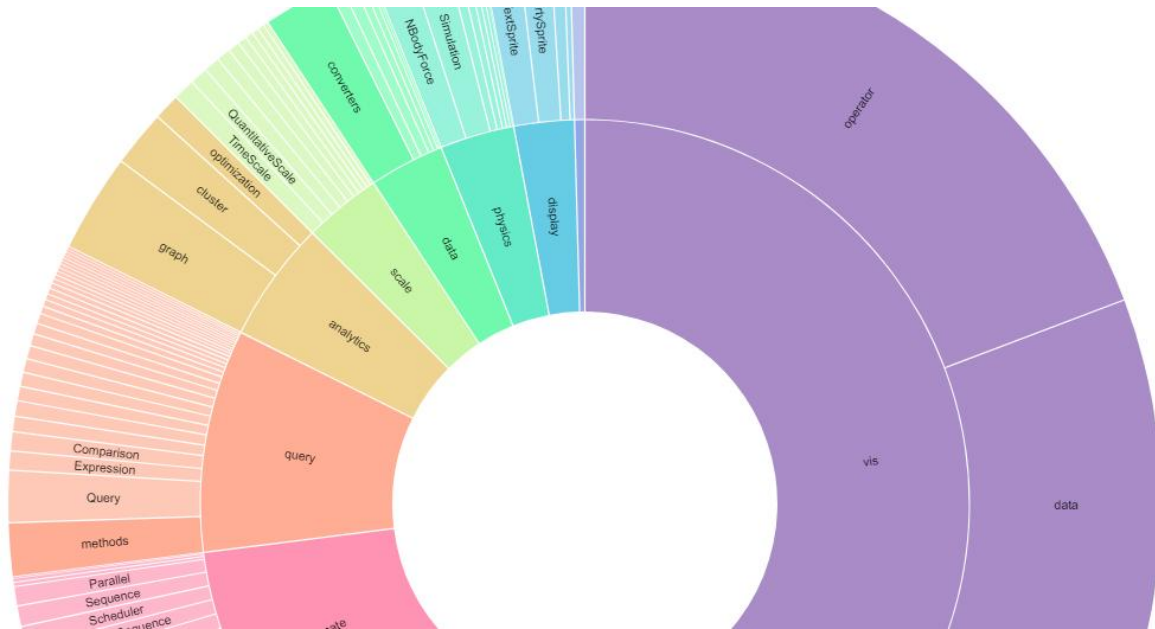
Be sure to also visit Wynne's Coding Pros ([wynnescodingpros.com](https://wynnescodingpros.com)) – where I use my combined experience as an engineer, project manager, and entrepreneur – to steer you in the right direction in your coding career.

Wynne Pirini

## Introduction

This is a shortlist of some of the useful and popular Javascript libraries for speeding up frontend Javascript development.

## D3.js



<https://d3js.org/>

D3.js is a JavaScript library for visualizing data using web standards. D3 helps you bring data to life using SVG, Canvas and HTML. D3 combines powerful visualization and interaction techniques with a data-driven approach to DOM manipulation, giving you the full capabilities of modern browsers and the freedom to design the right visual interface for your data.

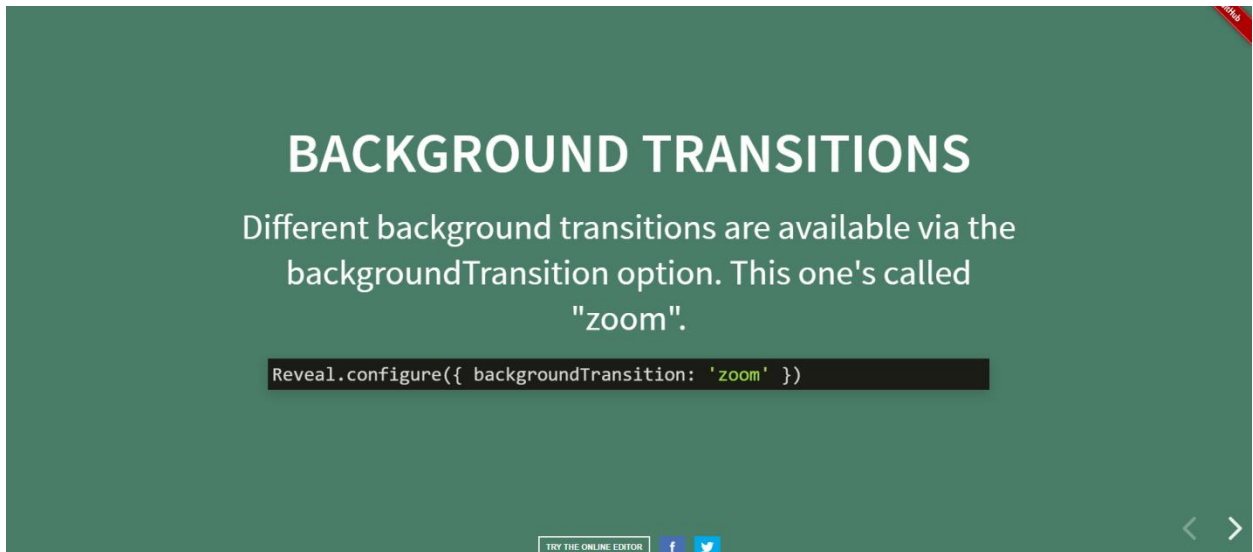
## Three.js



<https://threejs.org/>

If you're interested in 3D design, Three.js is a fun JavaScript library to experiment with. It can help you create incredible projects and bring your designs to life.

## Reveal.js

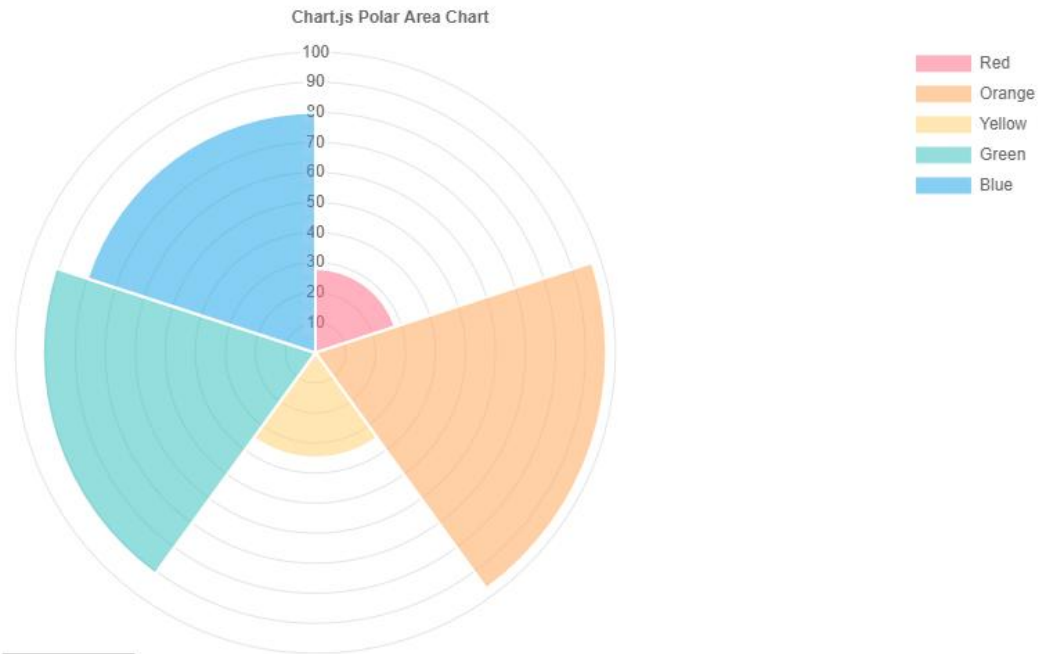


<https://revealjs.com/>

Reveal is a framework for easily creating beautiful presentations using HTML. Reveal comes with a broad range of features including nested slides, Markdown contents, PDF export, speaker notes and a JavaScript API. There's also a fully featured visual editor and platform for sharing reveal.js presentations at slides.com.

## Wynne's Recommended Javascript Libraries

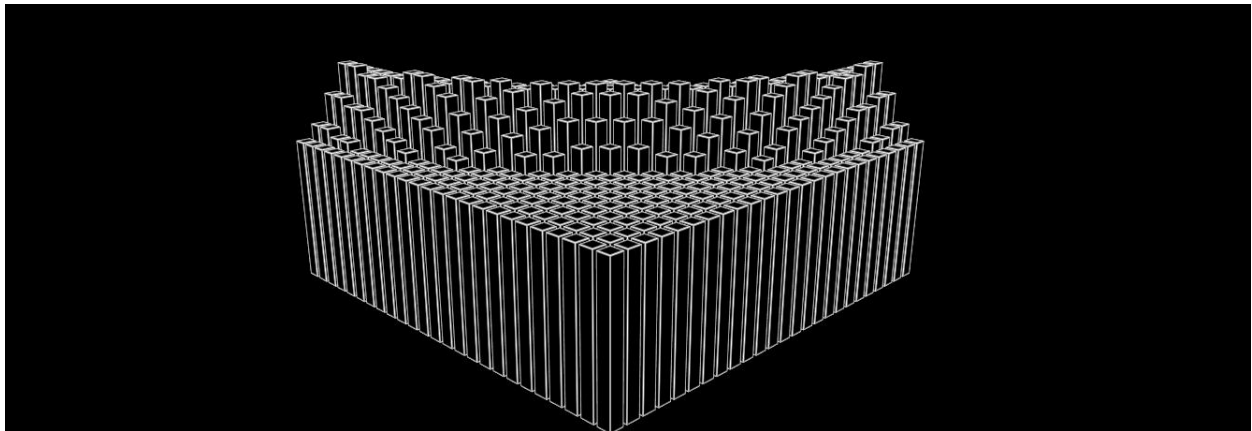
### Chart.js



<https://www.chartjs.org/>

Chart.js is a simple yet flexible JavaScript for adding beautiful charts to a site. It offers lots of different types of charts, plus the ability to mix them in a single space to provide a visually interesting data set. It also has animation capabilities.

### anime.js



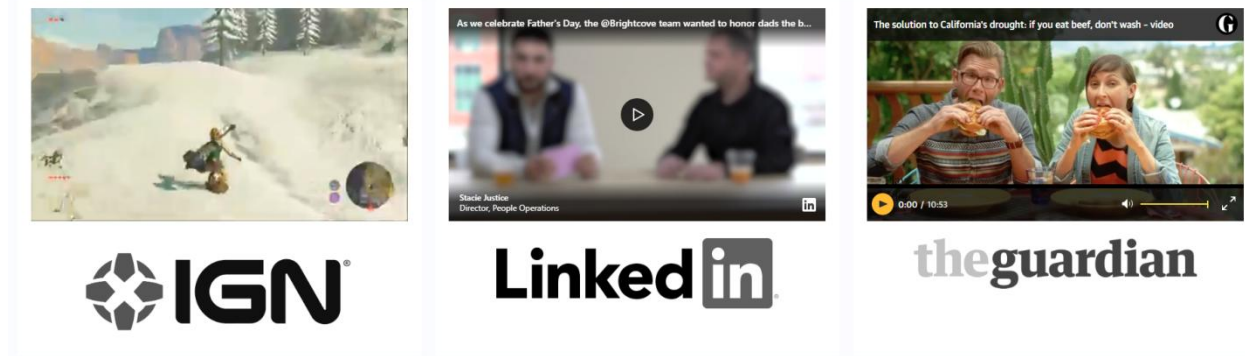
<https://animejs.com/>

Anime.js is a lightweight library for adding really cool looking animations to your site. It works with CSS properties, SVG, DOM attributes and JavaScript Objects.

## Wynne's Recommended Javascript Libraries

### Video.js

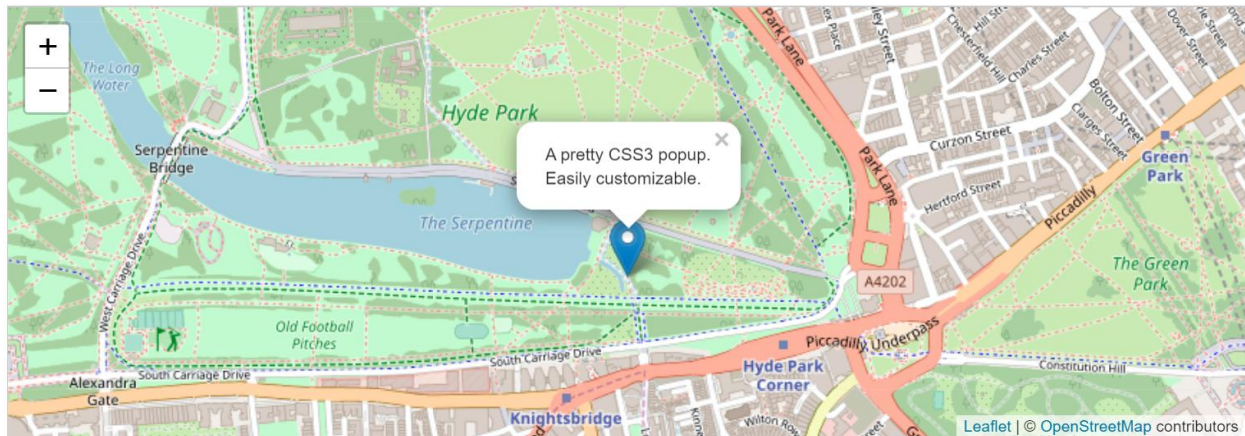
User Examples



<https://videojs.com/>

Video.js is a web video player built from the ground up for an HTML5 world. It supports HTML5 and Flash video, as well as YouTube and Vimeo (through plugins). It supports video playback on desktops and mobile devices. This project was started mid 2010, and the player is now used on over 400,000 websites.

### Leaflet



<https://leafletjs.com/>

Leaflet is the leading open-source JavaScript library for mobile-friendly interactive maps. Weighing just about 37 KB of gzipped JS code, it has all the mapping features most developers ever need.



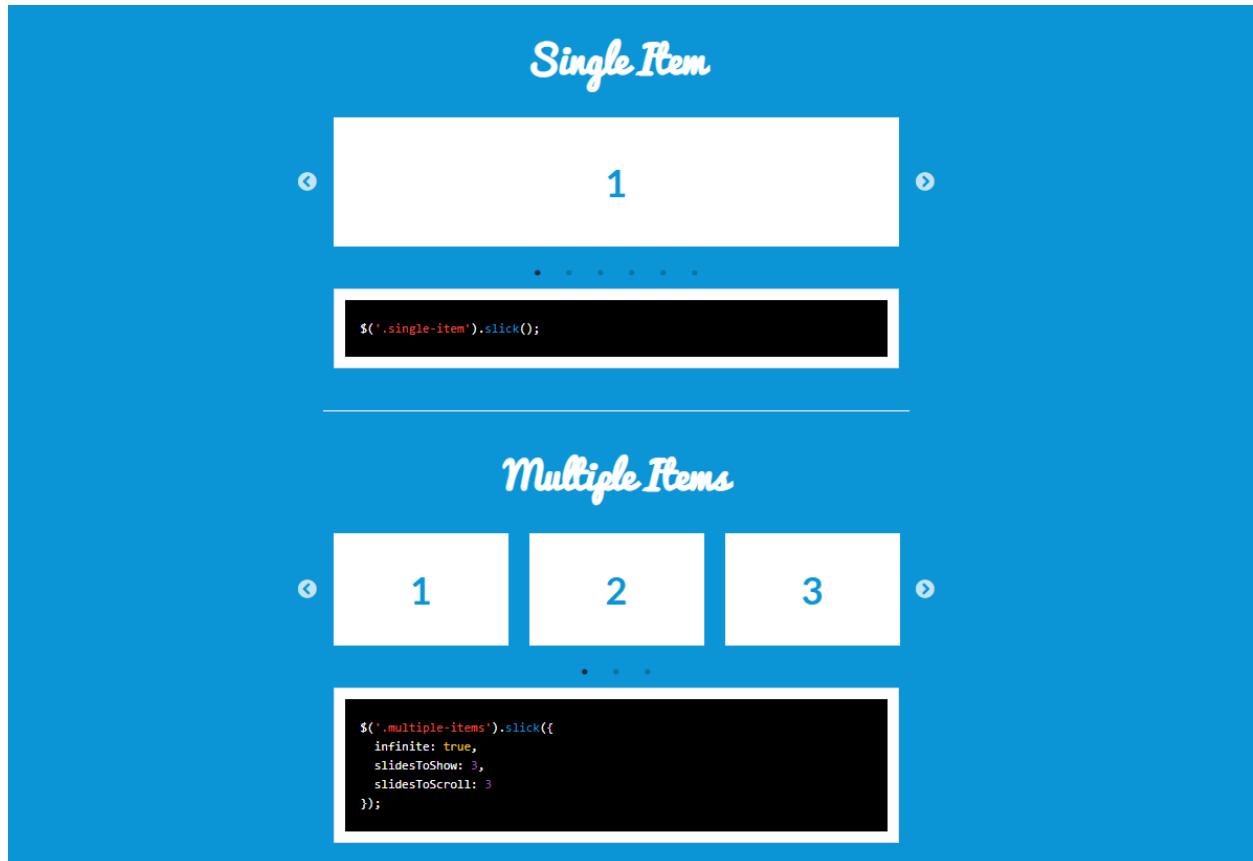
## Pixi.js



<https://www.pixijs.com/>

Pixi provides a fast lightweight 2D library that works across all devices. The PixiJS renderer allows everyone to enjoy the power of hardware acceleration without prior knowledge of WebGL. Also, it's really fast.

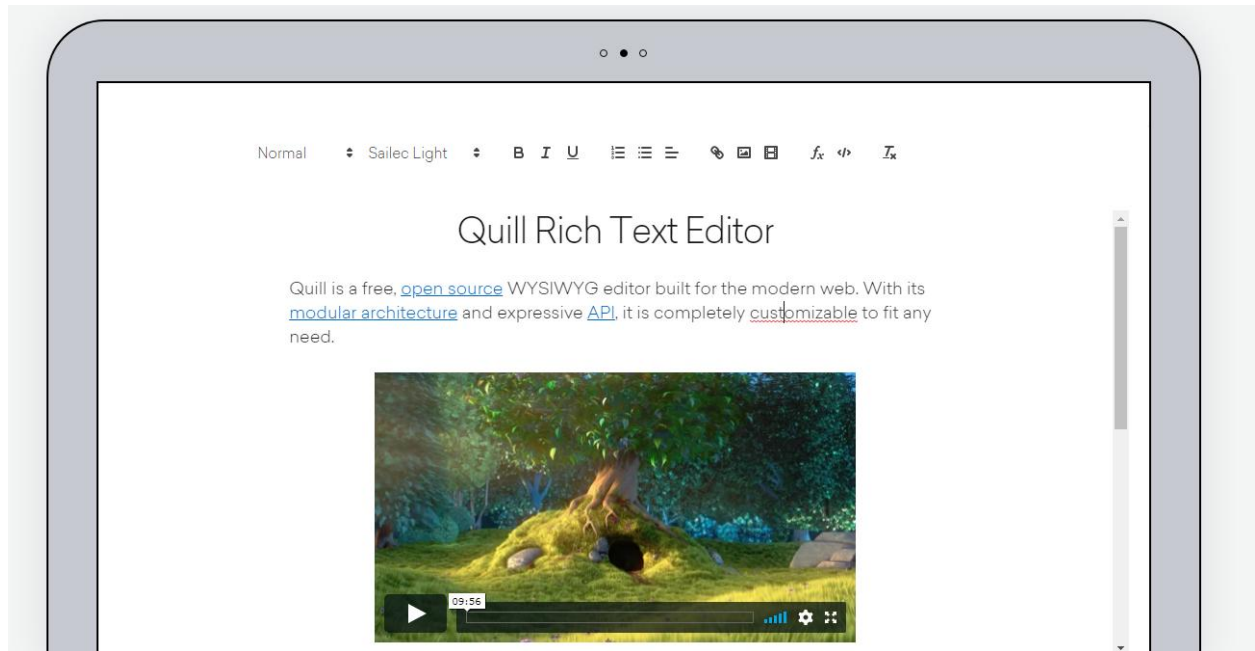
## Slick



<https://kenwheeler.github.io/slick/>

Slick is here to solve all of your carousel needs. It's fully responsive, has tons of options, works with swipe gestures for mobile devices, and so much more. You can even sync two different carousels if you want, to create a stacked effect.

## Quill

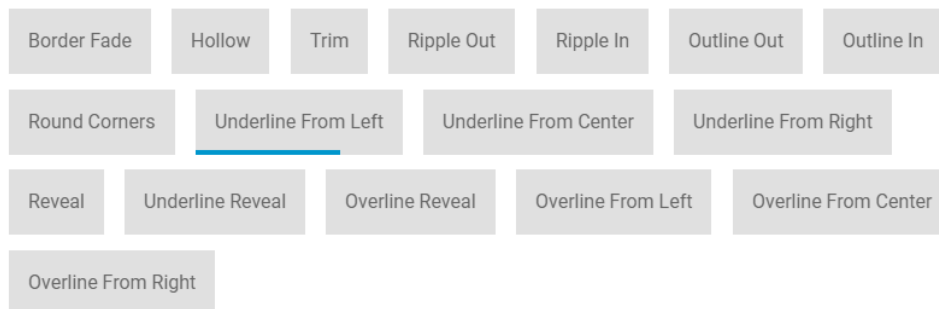


<https://quilljs.com/>

Quill is a modern rich text editor built for compatibility and extensibility. It was created by Jason Chen and Byron Milligan and actively maintained by Slab.

## Hover

### Border Transitions



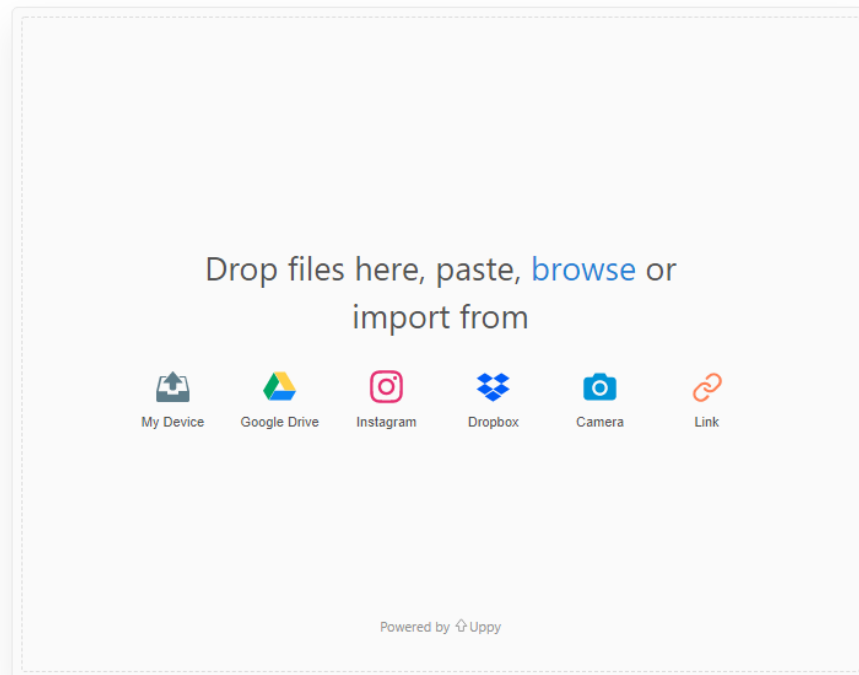
<http://ianlunn.github.io/Hover/>

A collection of CSS3 powered hover effects to be applied to links, buttons, logos, SVG, featured images and so on. Easily apply to your own elements, modify or just use for inspiration. Available in CSS, Sass, and LESS.



## Wynne's Recommended Javascript Libraries

### Uppy



<https://uppy.io/>

Uppy is a sleek, modular JavaScript file uploader that integrates seamlessly with any application. It's fast, easy to use and lets you worry about more important problems than building a file uploader.

### Particles.js



<https://vincentgarreau.com/particles.js/>

## Wynne's Recommended Javascript Libraries

Particles.js is a lightweight JavaScript library for creating amazing animations. Great for any tech-focused website or app.

### Photo Swipe



<https://photoswipe.com/>

PhotoSwipe is a HTML/CSS/JavaScript based image gallery specifically targeting mobile touch devices

## Skrollr



<http://prinzhorn.github.io/skrollr/>

Skrollr is a stand-alone parallax scrolling library for mobile (Android + iOS) and desktop. No jQuery. Just plain JavaScript.

## CodeMirror

Theme Demo

```
1 function findSequence(goal) {
2   function find(start, history) {
3     if (start == goal)
4       return history;
5     else if (start > goal)
6       return null;
7     else
8       return find(start + 5, "(" + history + " + 5)") ||
9              find(start * 3, "(" + history + " * 3)");
10  }
11  return find(1, "1");
12 }
```

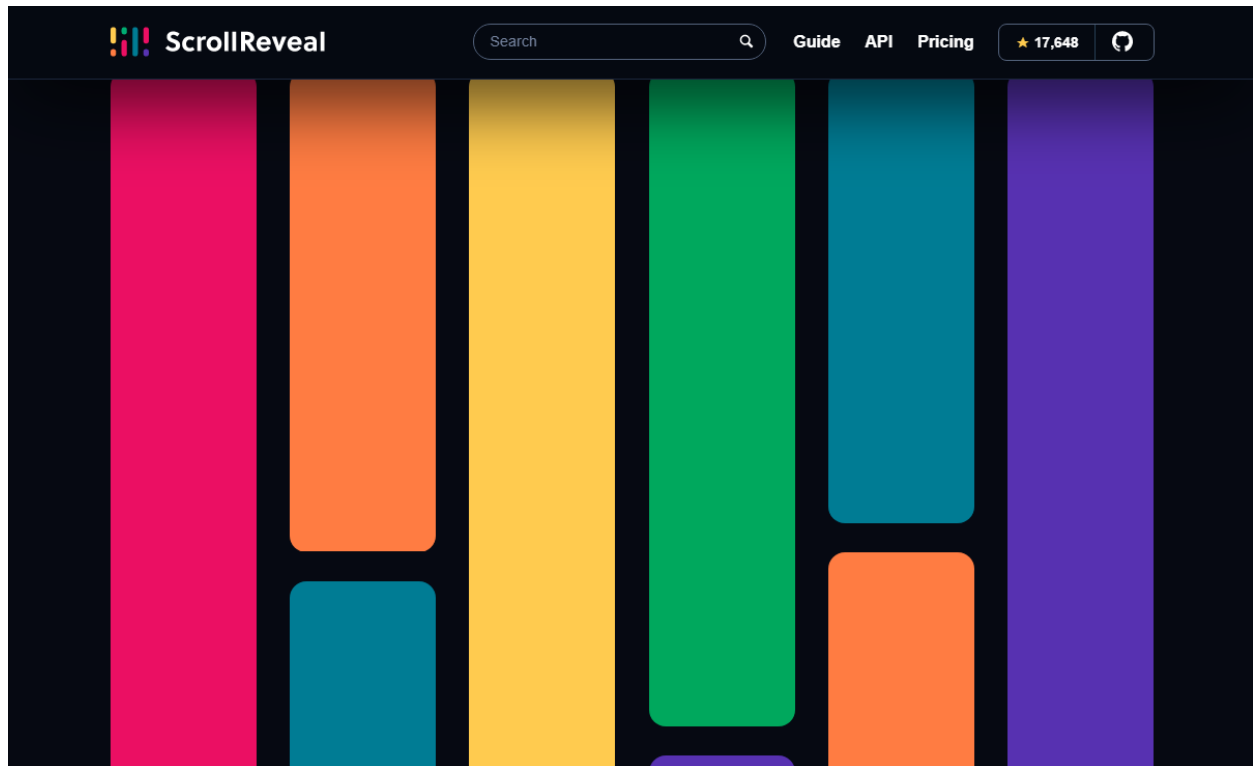
Select a theme:

<https://codemirror.net>

## Wynne's Recommended Javascript Libraries

CodeMirror is a versatile text editor implemented in JavaScript for the browser. It is specialized for editing code, and comes with over 100 language modes and various addons that implement more advanced editing functionality. Every language comes with fully-featured code and syntax highlighting to help with reading and editing complex code.

### ScrollReveal.js



<https://scrollrevealjs.org/>

ScrollReveal is a JavaScript library for easily animating elements as they enter/leave the viewport. It was designed to be robust and flexible, but you'll be surprised at how easy it is to pick up.

## HTML2Canvas



<http://html2canvas.hertzen.com/>

This script allows you to take "screenshots" of webpages or parts of it, directly on the users browser. The screenshot is based on the DOM and as such might not be 100% accurate as it doesn't take an actual screenshot, but builds a screenshot based on information available on the page.

## Popmotion

### Examples

#### React

- Accordion
- CSS variables
- Enter/exit: Single component
- Events: Drag with boundaries
- Events: Drag
- Events: Focus
- Events: Hover
- Events: Press
- CSS filters
- CSS outline
- PoseGroup: Reordering items
- Medium-style image zoom
- Route transitions: Reach Router
- Route transitions: React Router
- SplitText as children
- SplitText custom animations
- SplitText UI events
- SplitText
- SVG Morphing

#### Vue

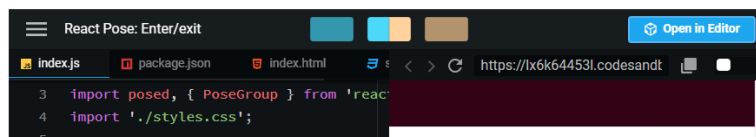
- Animating children
- Enter/exit transitions

## Enter/exit: Single component

`PoseGroup` can be used to animate `enter` and `exit` states of a single component when it's added/removed to and from the component tree.

```
const Modal = posed.div({
  enter: { opacity: 1 },
  exit: { opacity: 0 }
});

export default ({ isVisible }) => (
  <PoseGroup>
    {isVisible ? <Menu /> : null}
  </PoseGroup>
)
```



<https://popmotion.io/>



## Wynne's Recommended Javascript Libraries

Popmotion is a flexible library that helps you add slick-looking animations to your site with just a few lines of code.

### Sortable



The screenshot displays the Sortable.js library interface. At the top, it says "Shared lists". Below this, there are two lists of items. The left list (example2Left) contains: Item 1, Item 3, Item 3, Item 2, Item 4, Item 5, and Item 6. The right list (example2Right) contains: Item 1, Item 2, Item 3, Item 4, Item 5, and Item 6. Below the lists, the JavaScript code for initializing Sortable is shown:

```
new Sortable(example2Left, {
  group: 'shared', // set both lists to same group
  animation: 150
});

new Sortable(example2Right, {
  group: 'shared',
  animation: 150
});
```

A "Fork me on GitHub" button is visible in the top right corner of the interface.

<http://sortablejs.github.io/Sortable/>

Sortable is a minimalist JavaScript library for reorderable drag-and-drop lists on modern browsers and touch devices. There is no jQuery. Supports Meteor, AngularJS, React and any CSS library, e.g. Bootstrap.

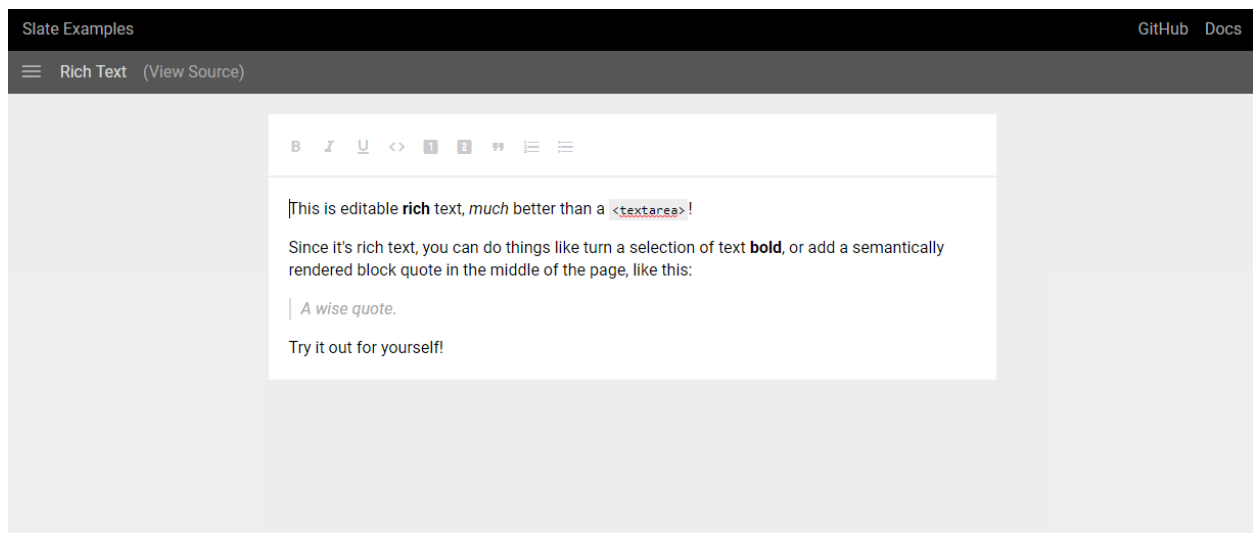
## Cleave.js



<https://nosir.github.io/cleave.js/>

Cleave.js has a simple purpose: to help you format input text content automatically. For example, when typing in a long credit card number, Cleave will automatically group numbers and add spaces.

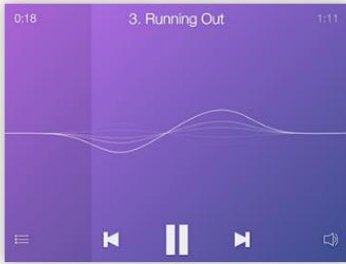
## Slate



<https://www.slatejs.org>

Slate lets you build rich, intuitive editors like those in Medium, Dropbox Paper or Google Docs—which are becoming table stakes for applications on the web—without your codebase getting mired in complexity.

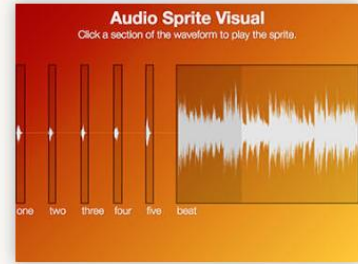
## Howler.js



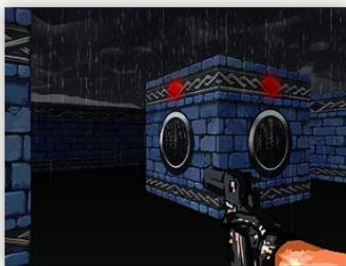
Music Player



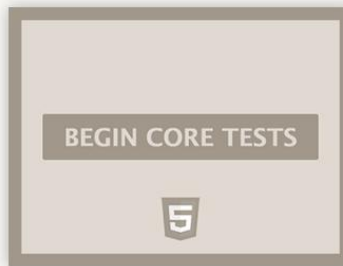
Live Radio



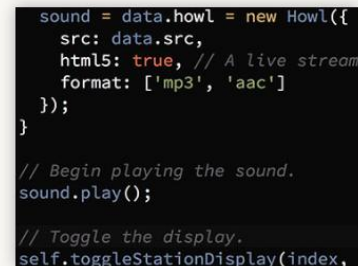
Audio Sprites



Spatial Audio



Basic Functions



Demo Code

<https://howlerjs.com/>

With just a couple lines of code, you'll be able to play any sound with extensive options such as volume control, fading, playback speed and more. Howler.js supports mobile playback, too.

## Parallax



<http://matthew.wagerfield.com/parallax/>

Parallax Engine reacts to the orientation of a smart device. Where no gyroscope or motion detection hardware is available, the position of the cursor is used instead.

## Fabric

Fabric also has SVG-to-canvas (and canvas-to-SVG) parser

Using Fabric.js, you can create and populate objects on canvas; objects like simple geometrical shapes

or good old images

You can add text and dynamically manipulate its size, alignment, font family, and other properties

Fabric has multiline text with extensive

or complex shapes consisting of hundreds or thousands of simple paths

You can give any shape a gradient

and apply image filters to images

<http://fabricjs.com/>

Fabric.js is a library that makes it easy to work with HTML5 canvas elements. It is an interactive object model on top of canvas element. It is also an SVG-to-canvas parser.

## Popper.js

### TOOLTIP.JS

Looking for a dead simple tooltip library?

Tooltip is powered by Popper.js and supports all the features you may need for your tooltips.

You really should 🔥

LEARN MORE

<https://popper.js.org/>

Popper.js will help you create nice-looking poppers on your site. If you're wondering what a popper is, think of it like a little bubble popping up from an element. Popper.js gives you some great ways to arrange them, make them stick to elements, and keep them operating smoothly on any screen size.

## Lazysizes

### lazySizes

**lazySizes** is the ultimate and lightweight lazyLoader which lazy loads images (including responsive images (picture/srcset)), iframes and scripts. It is written in VanillaJS and with high performance in mind.

Simply add the JS to your website and put the `class lazyload` to all elements, which should be lazy loaded. For a short [API description](#) go to the [readme.md](#).



<https://afarkas.github.io/lazysizes/index.html>

LazySizes is a high performance and SEO friendly lazy-loader for images (responsive and normal), iframes and more, that detects any visibility changes triggered through user interaction, CSS or JavaScript without configuration.



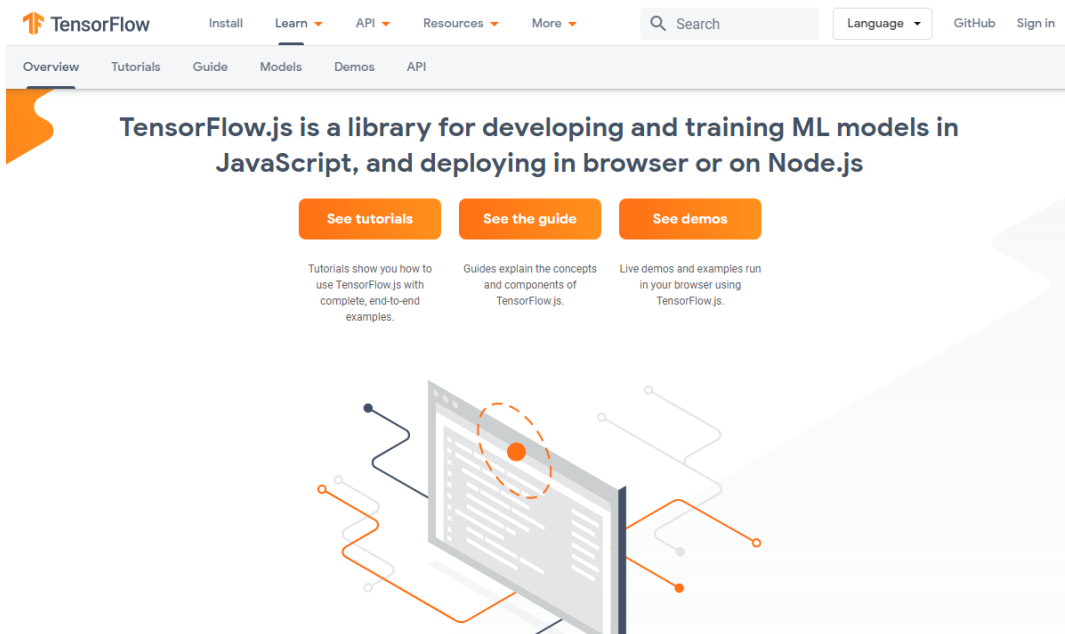
## Scroll Magic



<http://scrollmagic.io/>

ScrollMagic responds to the user's current scroll position. You can achieve basic effects like detecting scrolling position and parallax effects, to advanced effects like multiple direction scrolling and element scaling.

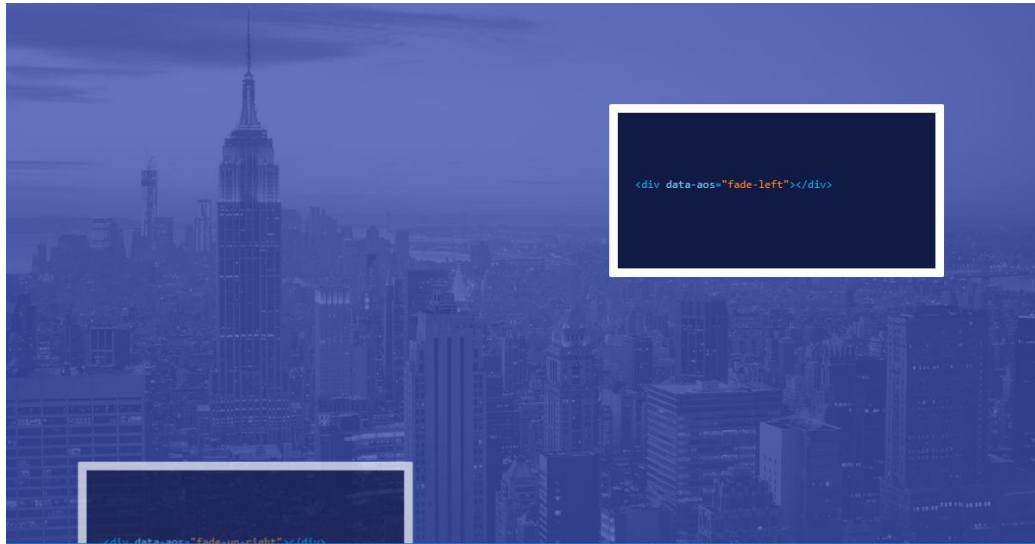
## TensorFlow.js



<https://www.tensorflow.org/js/>

TensorFlow.js is an open-source hardware-accelerated JavaScript library for training and deploying machine learning models.

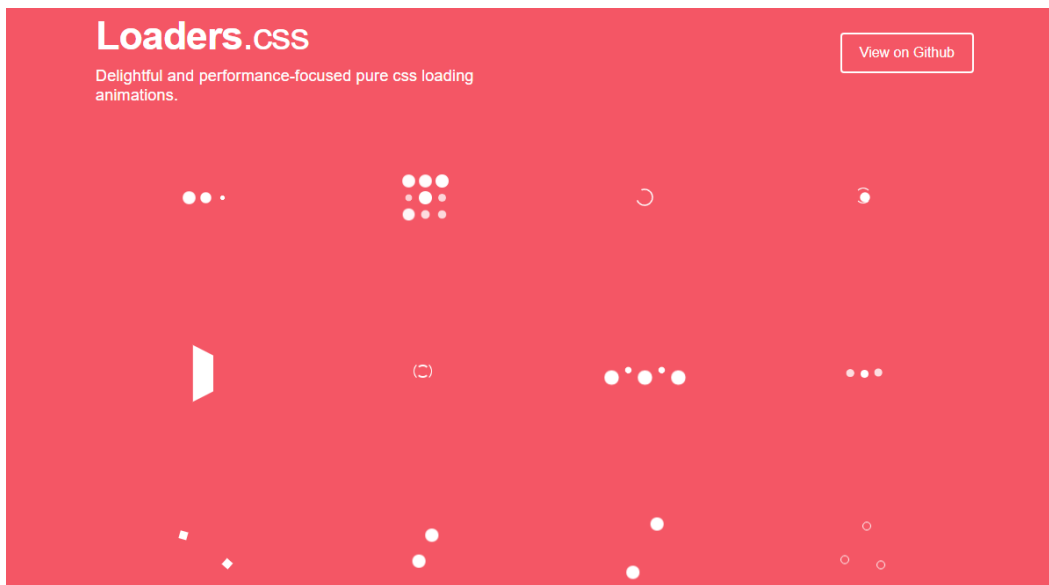
## AOS – Animate On Scroll



<http://michalsnik.github.io/aos/>

The Animate on Scroll JavaScript library adds animation effects as a user scrolls down the page. From fade effects to static anchor placements, this library will help you create an engaging user experience.

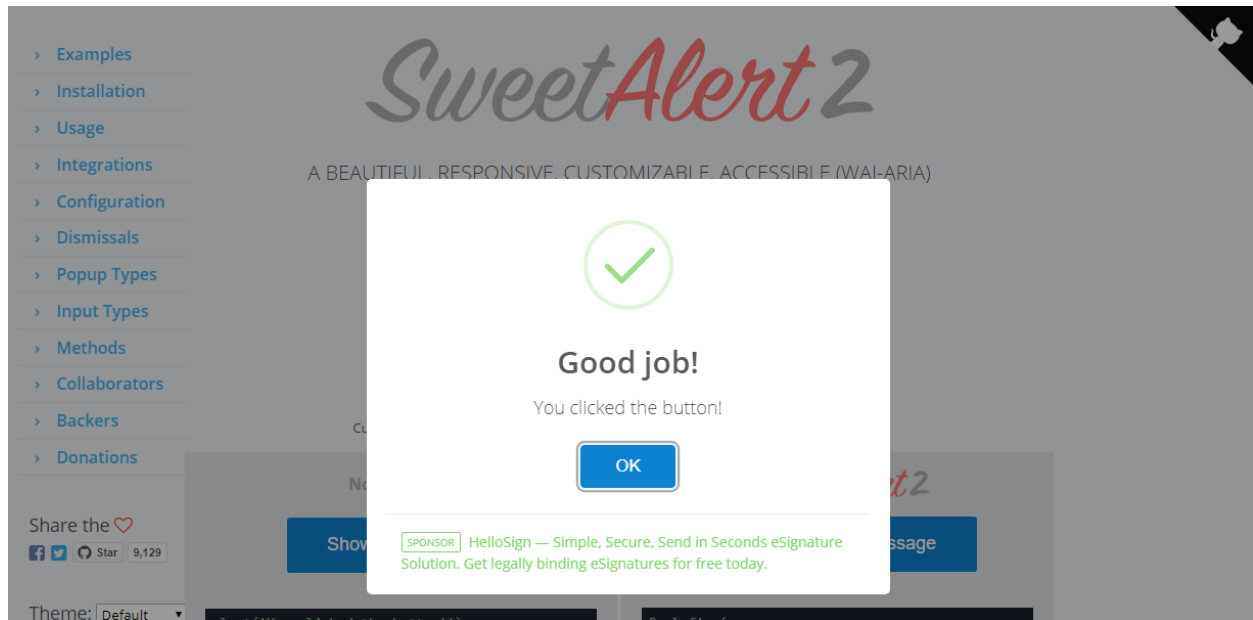
## Loader.css



<https://connoratherton.com/loaders>

A collection of loading animations written entirely in css. Each animation is limited to a small subset of css properties in order to avoid expensive painting and layout calculations.

## SweetAlert 2



<https://sweetalert2.github.io/>

Sweetalert2 creates beautiful, customizable popups, to replace the ugly-looking default popups in your browser.

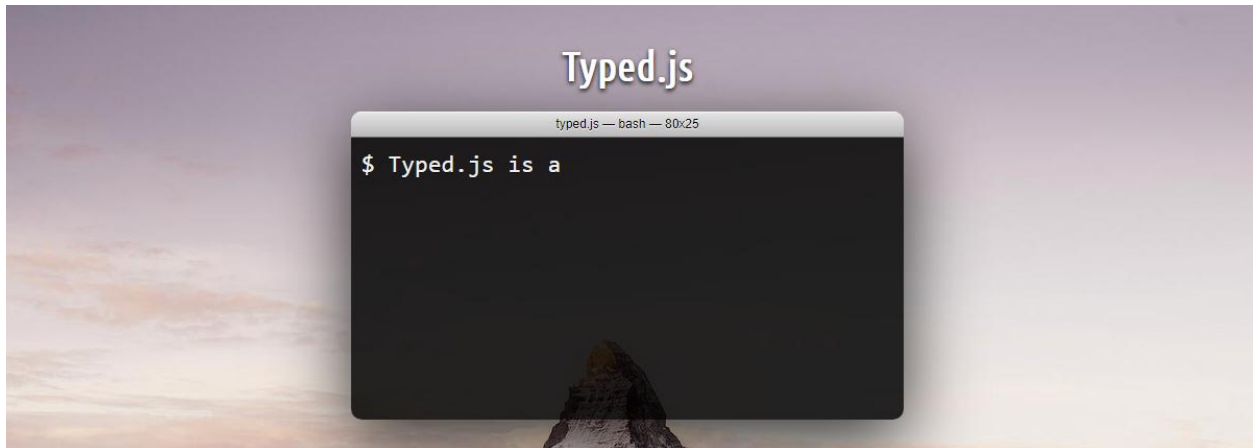
## Parsley

A screenshot of the Parsley website. The top navigation bar includes links for 'Home', 'Examples', 'Documentation', 'Download', 'Help', 'Annotated source', and 'Tests'. The main content area is titled 'Simple form example \*' and includes a link to 'Back to examples — Try it on CodePen'. Below this, there is a form with two input fields: 'Full Name \*' and 'Email \*'. The 'Email \*' field is highlighted with a red border and a message 'This value should be a valid email.' Below the form, there is a code block showing the HTML and Parsley.js configuration for the form. The code includes Bootstrap callout classes for error and success messages and Parsley.js attributes for validation rules like 'required', 'email', and 'change'.

<http://parsleyjs.org/>

Parsley validates your forms on the frontend, without having to write a single line of javascript.

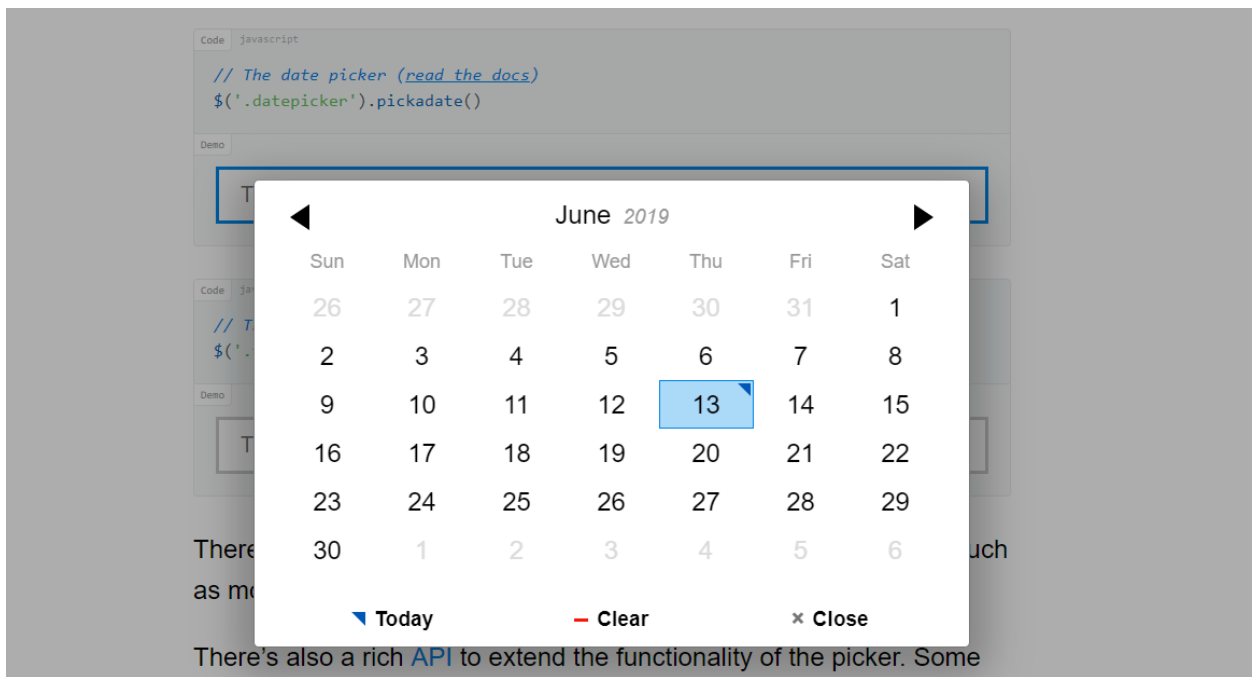
## Typed.js



<https://mattboldt.com/demos/typed-js/>

Typed.js is a library that creates a typing-animation for any text string.

## Pickadate.js



<https://amsul.ca/pickadate.js/>

In my opinion, this is one of the very best date-pickers available. The only downside is it is JQuery-dependent.