

Web Skills

Day 3

Media art festivals:

<http://eyeofestival.com/>

<http://currentsnewmedia.org/>

<http://2015.fiberfestival.nl/>

<http://www.aec.at/prix/en/>

<http://zero1.org/events>

https://en.wikipedia.org/wiki/List_of_new_media_art_festivals

Grants and Residencies:

<http://rhizome.org/editorial/2015/jun/24/internet-art-microgrants-2015/>

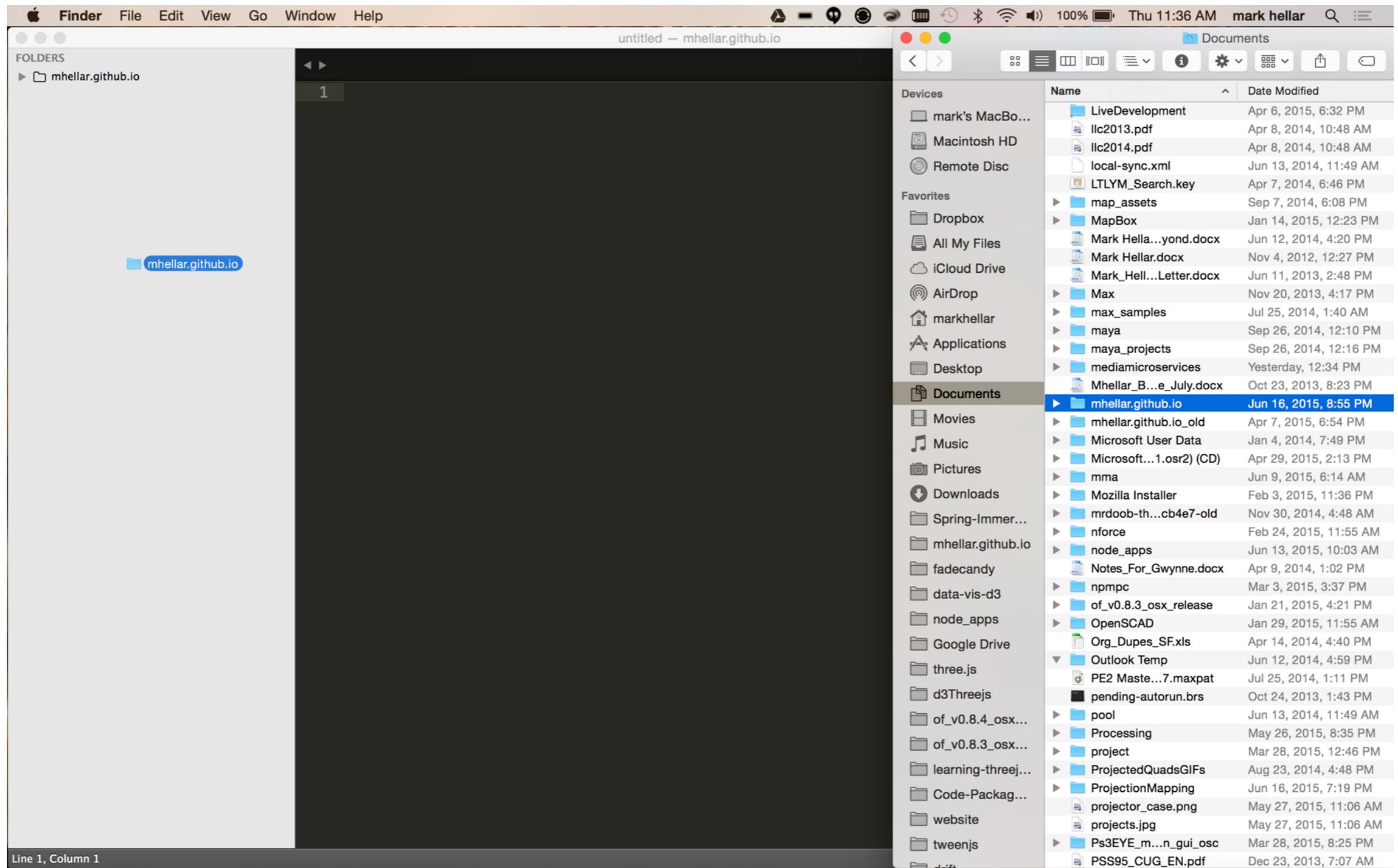
<http://stochasticlabs.org/>

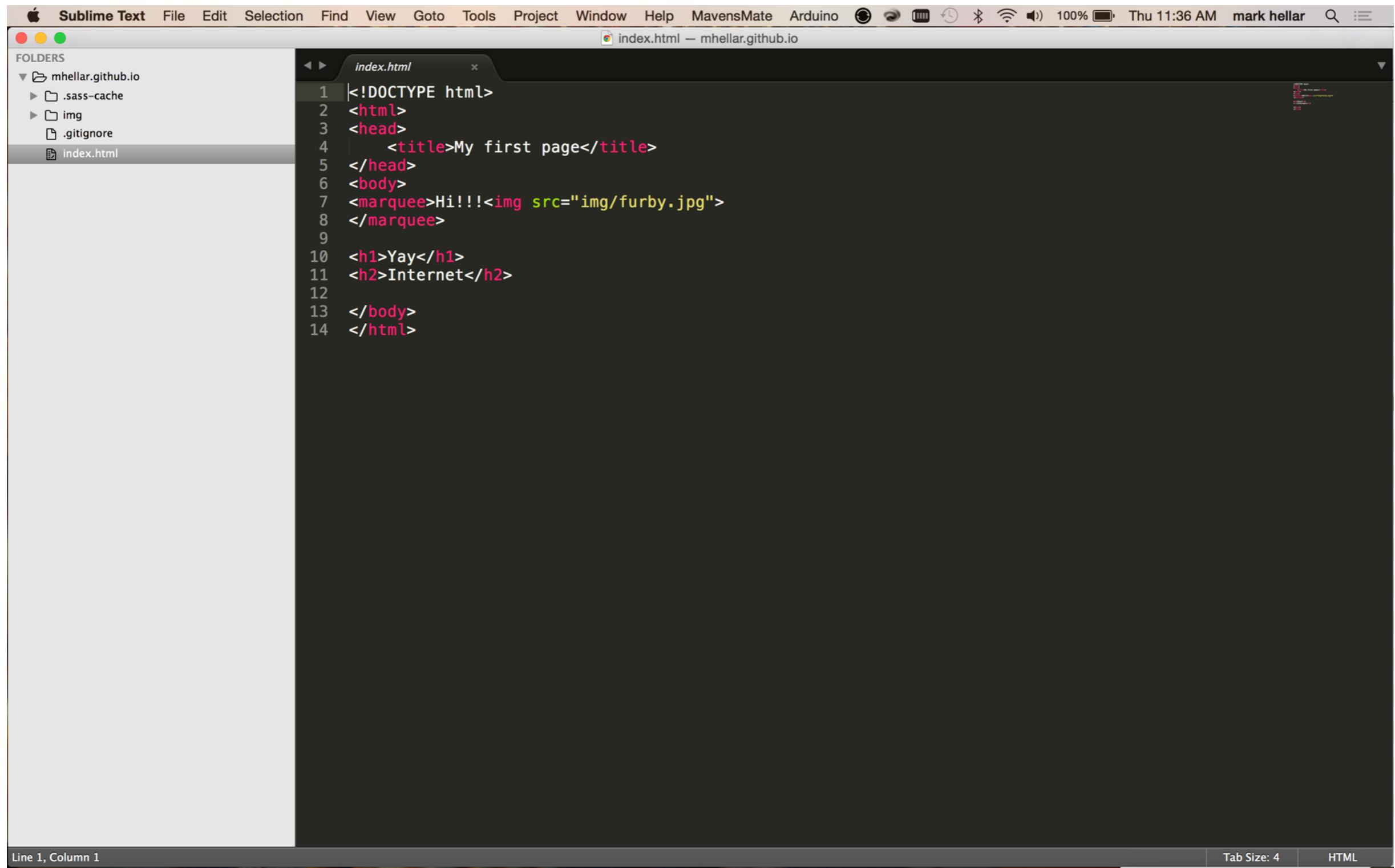
<http://www.lacma.org/lab>

<http://72u.org/>

<http://www.creativeapplications.net/job-board/>

Drag your username.github.io folder onto sublime

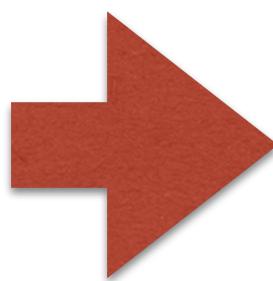




```
mhellar.github.io — markhellar@marks-MacBook-Pro: ~/Documents/mhellar.github.io — zsh — 107x25
mhellar@bavc-web01: / ..lar.github.io +
Last login: Thu Jun 18 11:41:06 on ttys001
You have mail.

markhellar@marks-MacBook-Pro < master > : ~/Documents/mediamicroservices
[0] % cd /Users/markhellar/Documents/mhellar.github.io

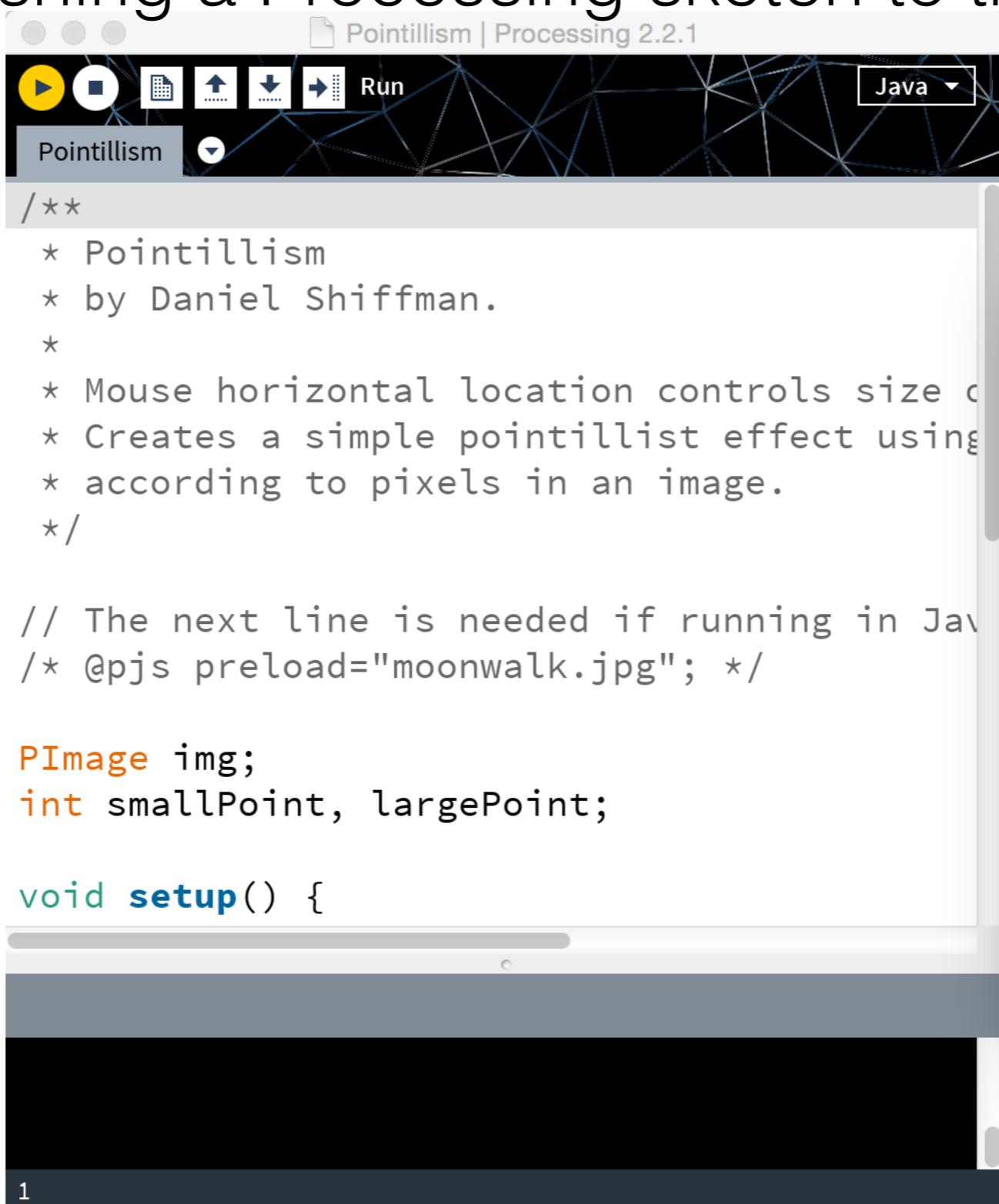
markhellar@marks-MacBook-Pro < master ●● > : ~/Documents/mhellar.github.io
[0] % http-server
```



localhost:8080

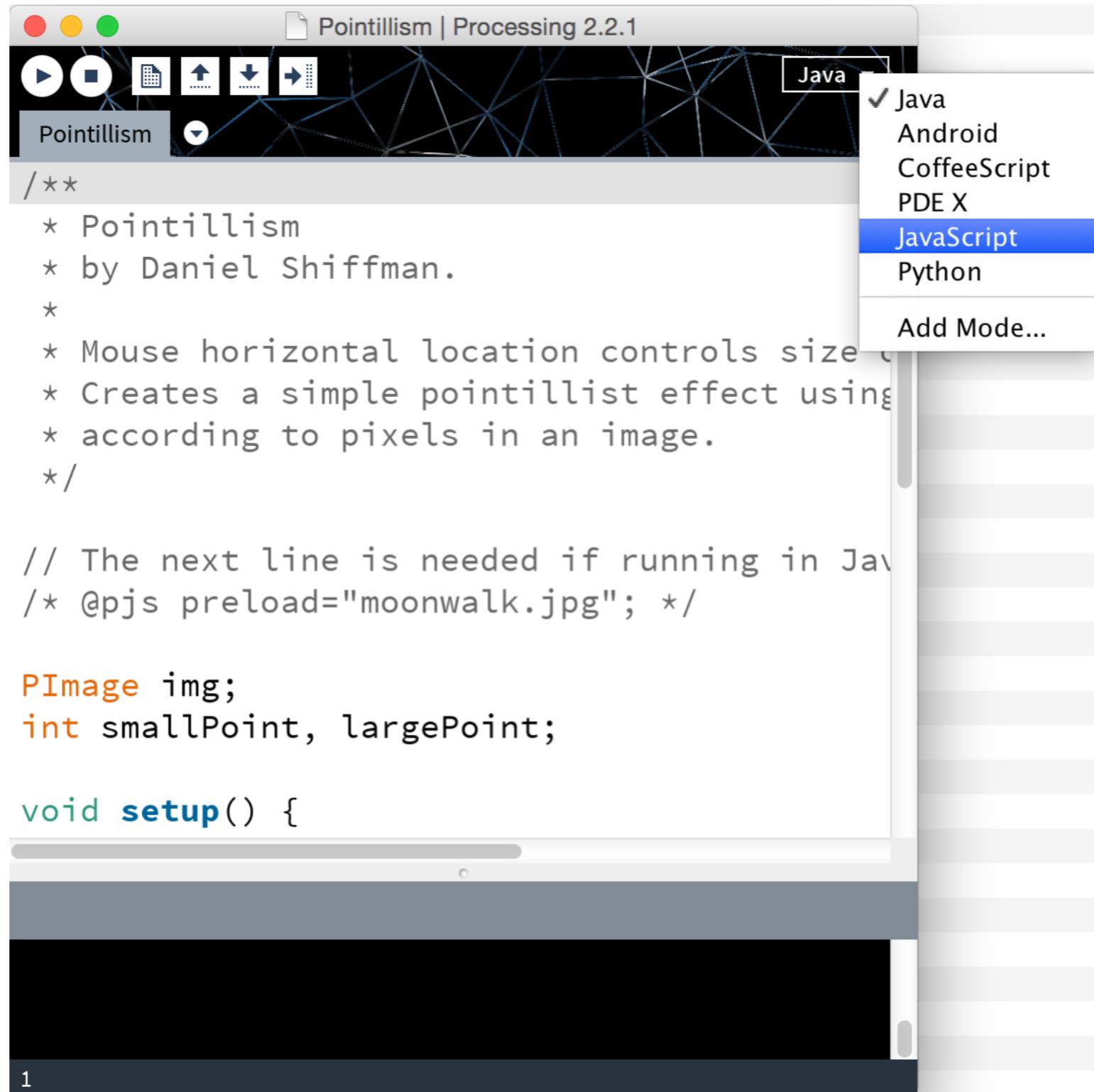
[Link Example](#)

Publishing a Processing sketch to the web



1. Open a sketch in processing

Publishing a Processing sketch to the web

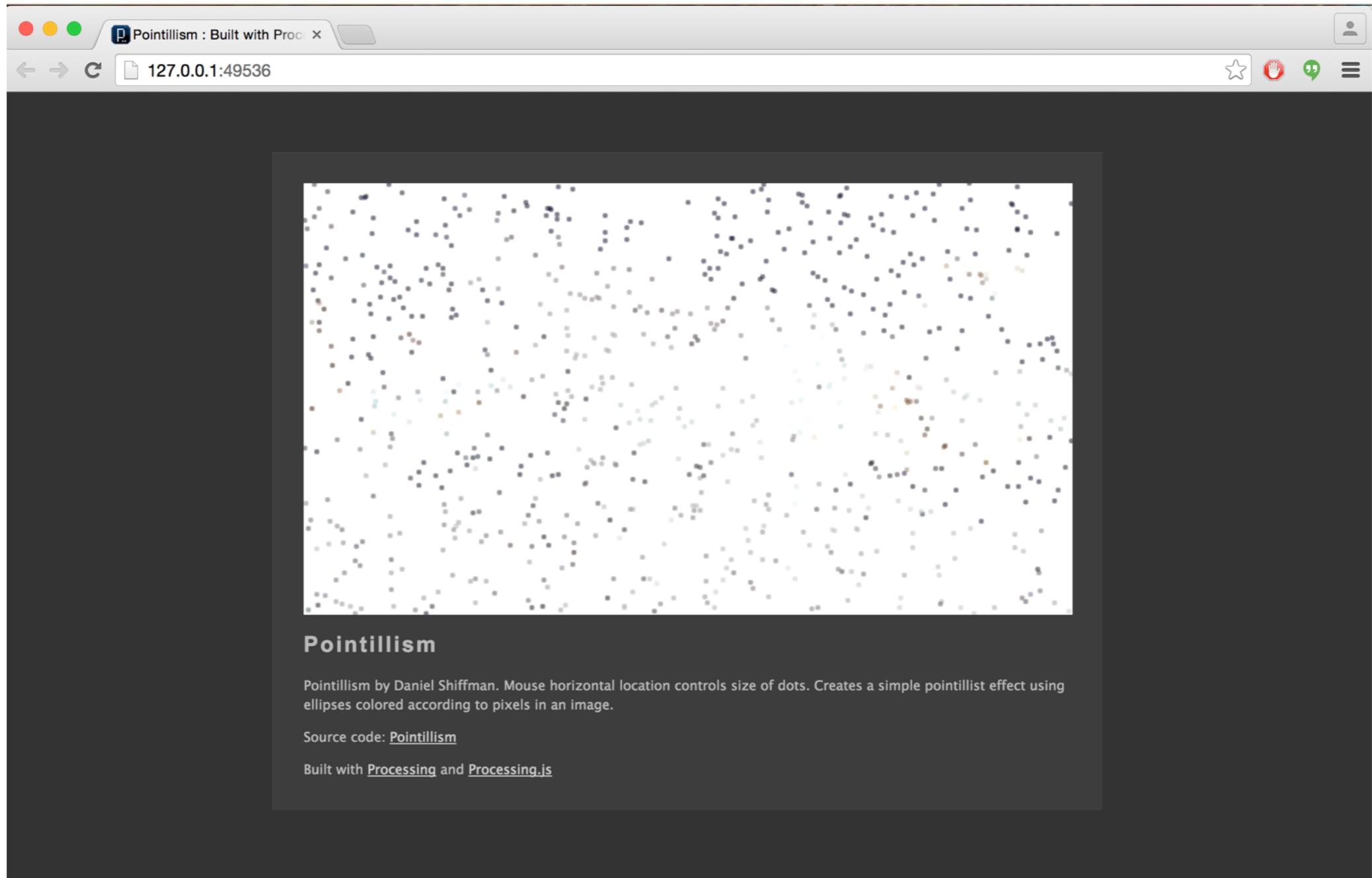


The screenshot shows the Processing 2.2.1 IDE interface. The title bar reads "Pointillism | Processing 2.2.1". Below the title bar is a toolbar with various icons. The main area displays the "Pointillism" sketch code. To the right of the code, a context menu is open, listing several options: "Java" (which is checked), "Android", "CoffeeScript", "PDE X", "JavaScript" (which is highlighted in blue), "Python", and "Add Mode...". The code itself is a Processing sketch for creating a pointillist effect:

```
/**  
 * Pointillism  
 * by Daniel Shiffman.  
 *  
 * Mouse horizontal location controls size of points.  
 * Creates a simple pointillist effect using  
 * according to pixels in an image.  
 */  
  
// The next line is needed if running in Java  
/* @pjs preload="moonwalk.jpg"; */  
  
PI mage img;  
int smallPoint, largePoint;  
  
void setup() {  
    size(640, 480);  
    img = loadImage("moonwalk.jpg");  
    smallPoint = 2;  
    largePoint = 10;  
}  
  
void draw() {  
    background(255);  
    for (int x = 0; x < width; x++) {  
        for (int y = 0; y < height; y++) {  
            int pixel = img.get(x, y);  
            float red = colorRed(pixel);  
            float green = colorGreen(pixel);  
            float blue = colorBlue(pixel);  
            float average = (red + green + blue) / 3;  
            if (average > 180) {  
                stroke(0);  
                fill(0);  
                size(10);  
            } else {  
                stroke(255);  
                fill(255);  
                size(2);  
            }  
            point(x, y);  
        }  
    }  
}
```

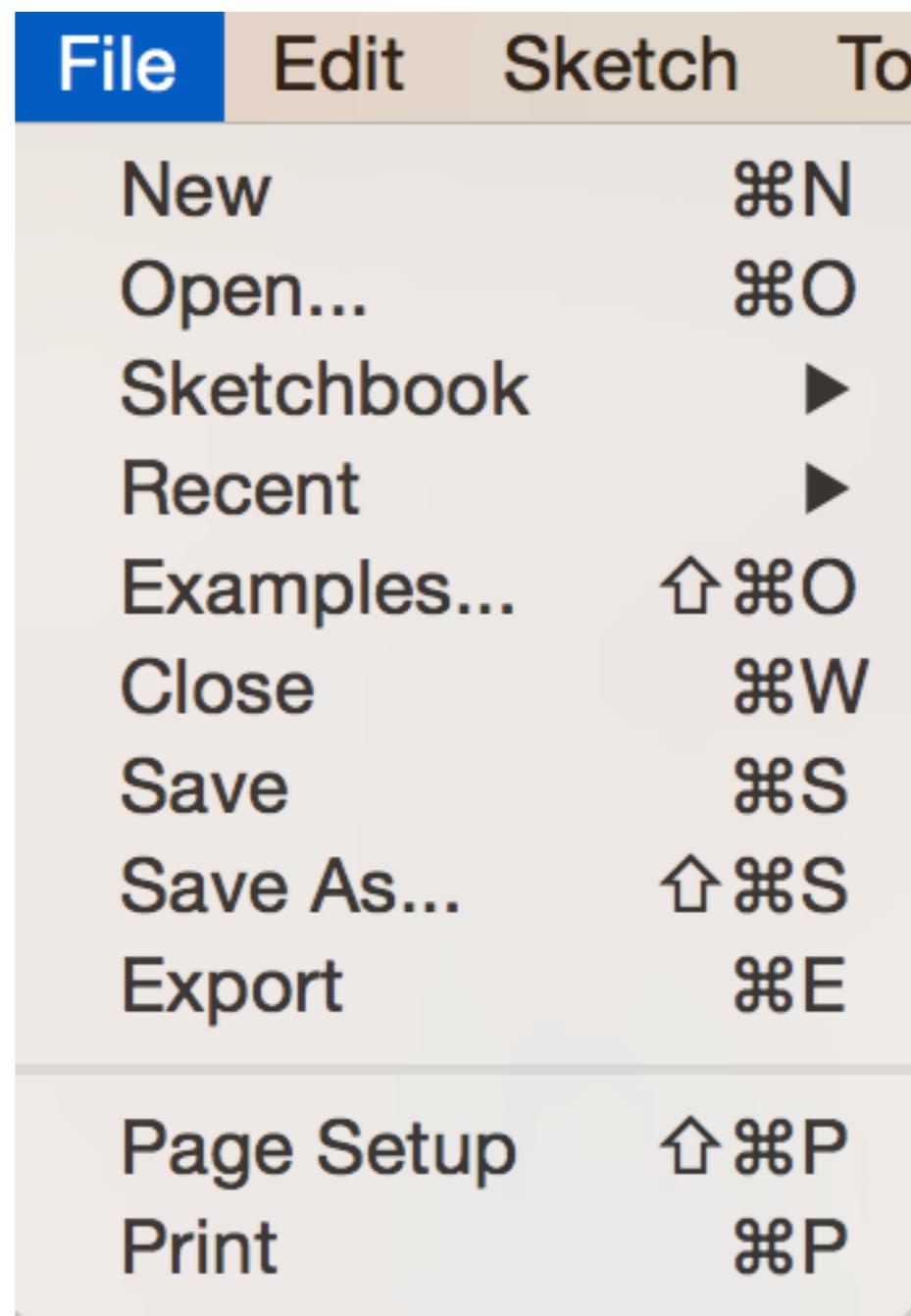
2. Switch to Javascript mode

Publishing a Processing sketch to the web



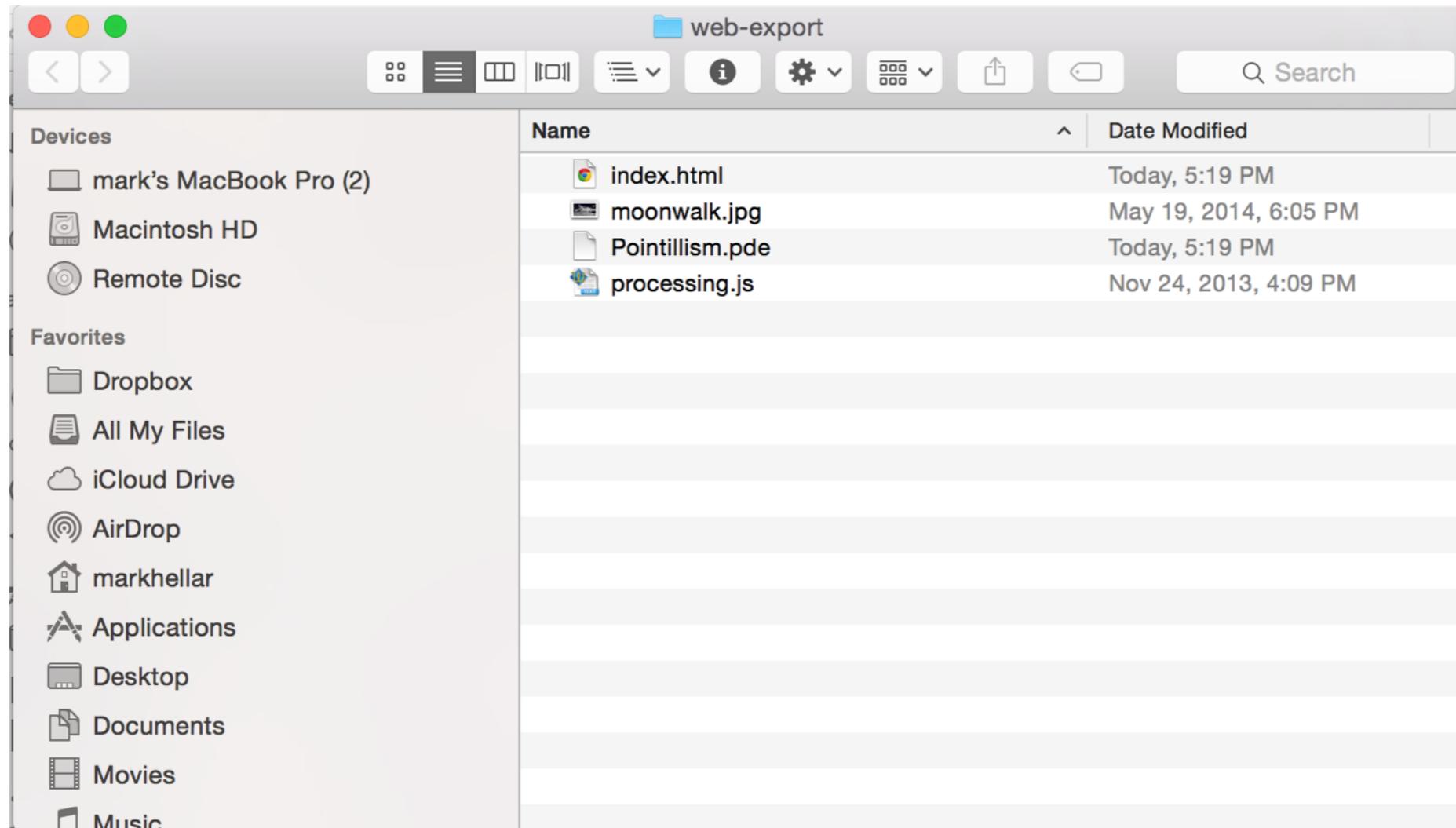
3. Run the sketch to make sure it runs properly

Publishing a Processing sketch to the web



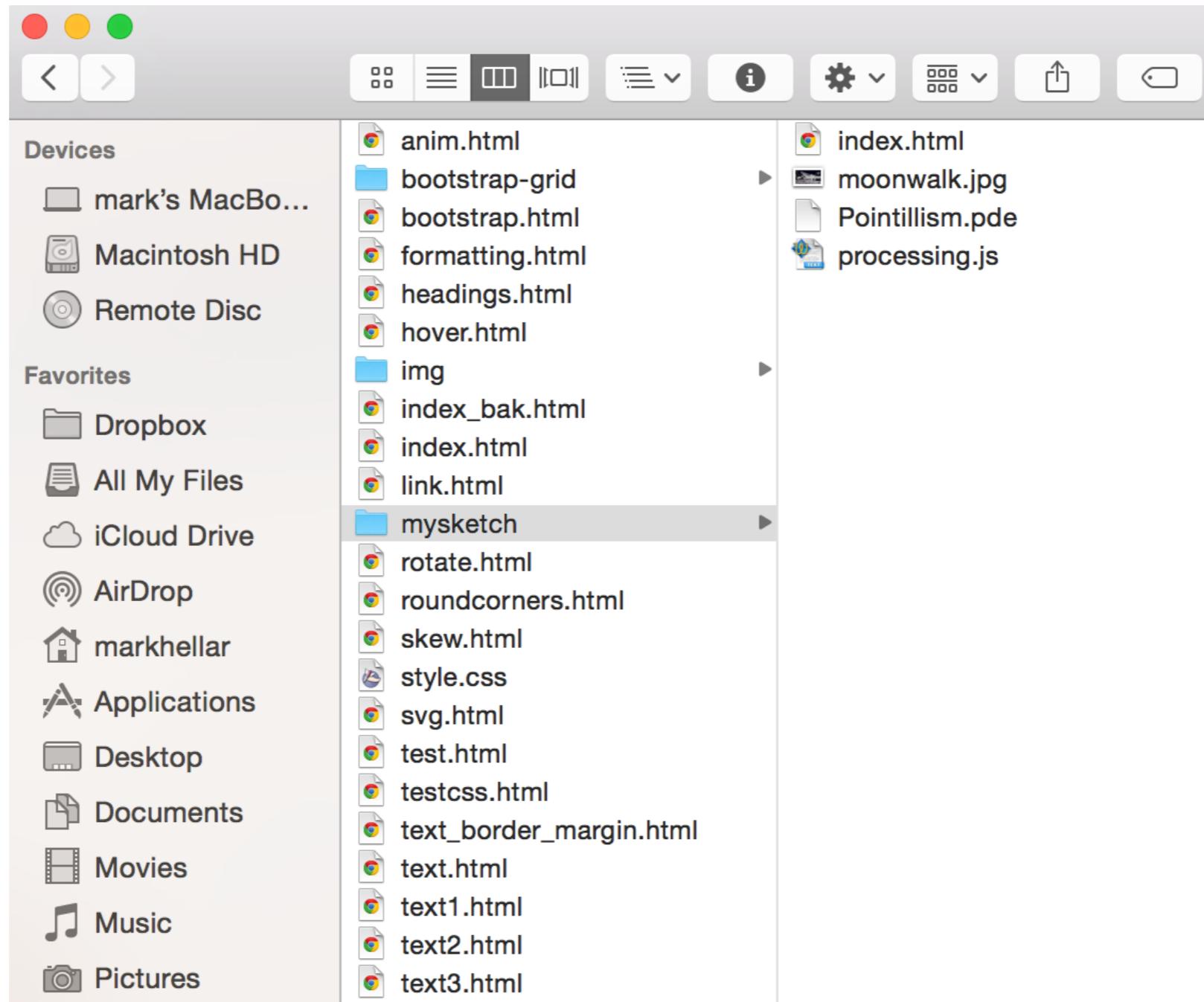
4. Command E to export

Publishing a Processing sketch to the web



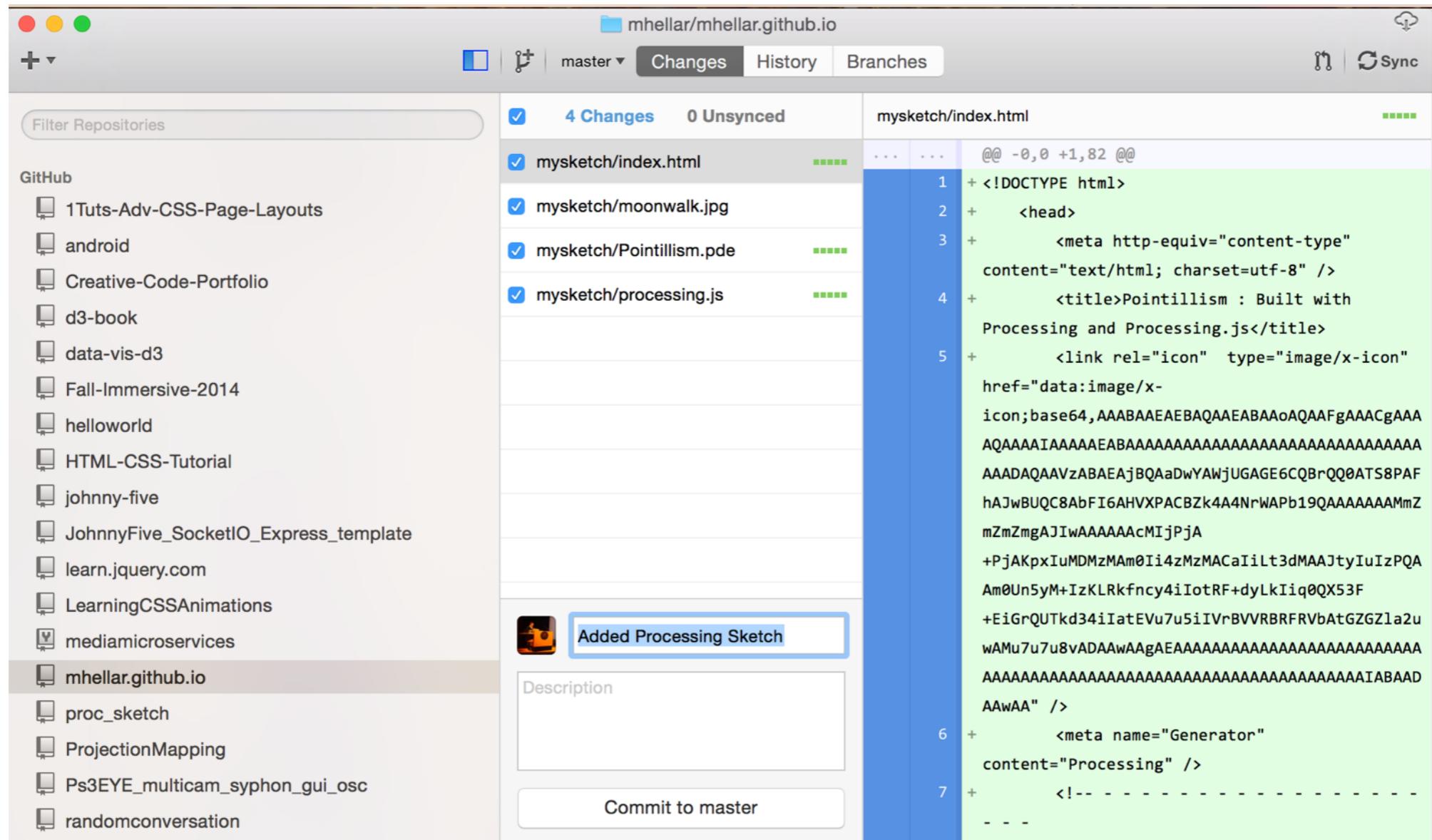
5. A folder will open, copy all the files

Publishing a Processing sketch to the web



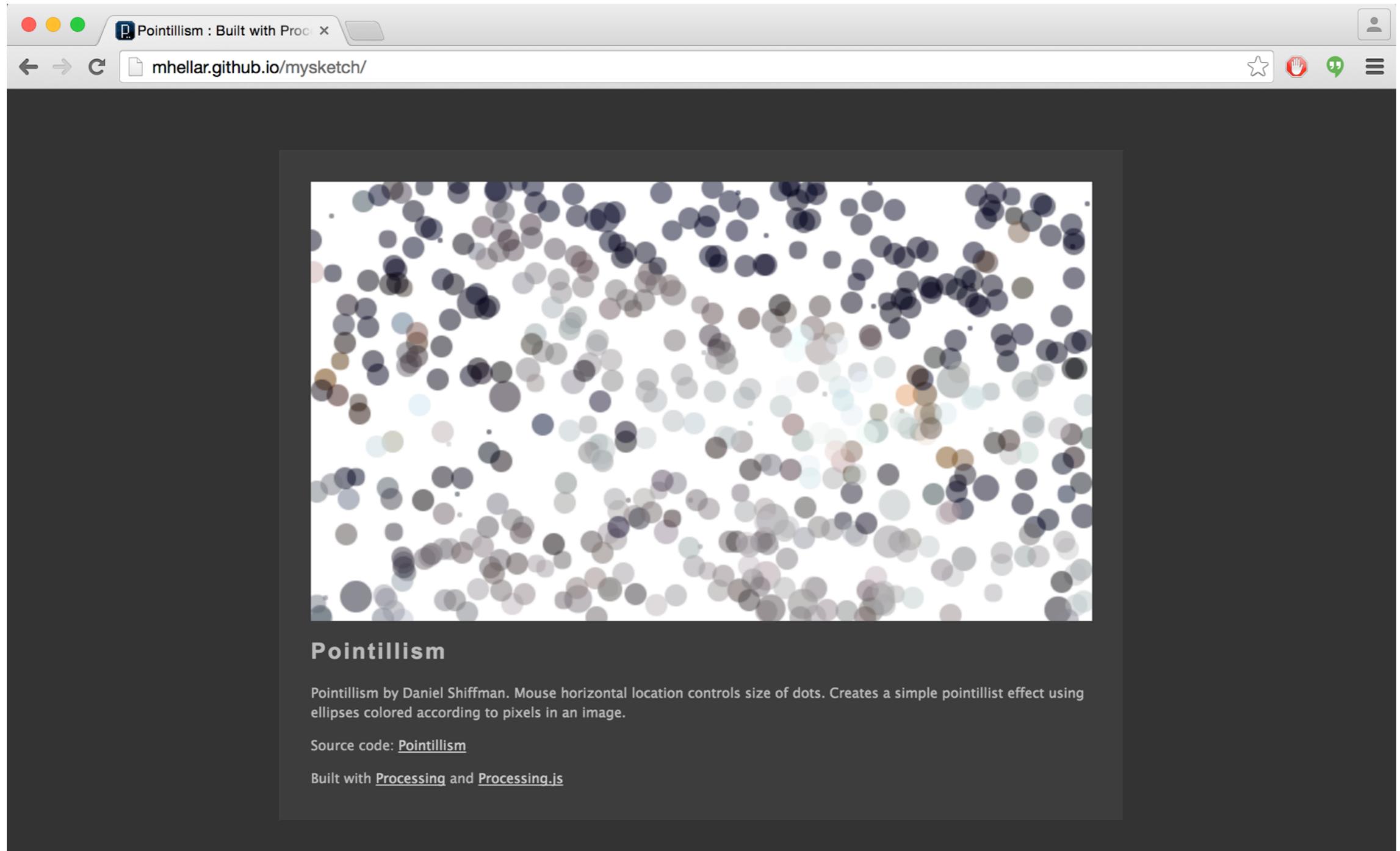
6. Make a new folder in your `username.github.io` folder and copy the files there

Publishing a Processing sketch to the web



7. Comment, Commit and Sync in Github

Publishing a Processing sketch to the web



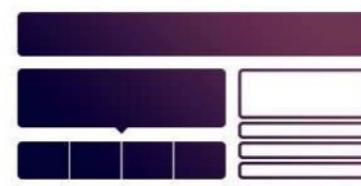
8. go to `username.github.io/foldername` to see your sketch!



The image shows the official Bootstrap website homepage. The header features a large, bold white 'Bootstrap' title. Below it is a subtitle: 'Sleek, intuitive, and powerful front-end framework for faster and easier web development.' A prominent blue button labeled 'Download Bootstrap' is centered below the subtitle. At the bottom of the main purple section, there are links for 'GitHub project', 'Examples', 'Extend', and 'Version 2.3.2'. Below this, social media icons and counts are displayed: a star icon with '52,755', a fork icon with '17,275', a Twitter icon with 'Follow @twbootstrap / 71.1K followers', and a tweet icon with '18.3K'.

Introducing Bootstrap.

Need reasons to love Bootstrap? Look no further.



- Bootstrap is a web framework designed for creating websites and applications.
- getbootstrap.com

Bootstrap Framework

- What is a framework?

A framework, or software framework, is a platform for developing software applications. It provides a foundation on which software developers can build programs for a specific platform. For example, a framework may include predefined classes and functions that can be used to process input, manage hardware devices, and interact with system software. This streamlines the development process since programmers don't need to reinvent the wheel each time they develop a new application

Bootstrap

- It started off as an internal project at Twitter and is now open source(AKA Twitter Bootstrap)

Bootstrap

- Its designed to be mobile first which means that sites built with it scale nicely to different sized screens.
- <http://expo.getbootstrap.com/>

Bootstrap

- getbootstrap.com

Bootstrap

How to get it:

- Link to Content Delivery Network(CDN)

<http://getbootstrap.com/getting-started/>

<!-- Latest compiled and minified CSS -->

<link rel="stylesheet" href="https://maxcdn.bootstrapcdn.com/bootstrap/3.3.5/css/bootstrap.min.css">

<!-- Optional theme -->

<link rel="stylesheet" href="https://maxcdn.bootstrapcdn.com/bootstrap/3.3.5/css/bootstrap-theme.min.css">

<!-- Latest compiled and minified JavaScript -->

<script src="https://maxcdn.bootstrapcdn.com/bootstrap/3.3.5/js/bootstrap.min.js"></script>

Bootstrap

How to get it:

- Download it

<http://getbootstrap.com/getting-started/>

Bootstrap

Required:

Make sure you include <!DOCTYPE html>, must be the first line of the file

Bootstrap

Bootstrap is themable:

- <http://bootswatch.com>
- <https://wrapbootstrap.com>
- <http://startbootstrap.com>
- <http://bootstrapzero.com>

Have a look around, find a theme you like and load it up in Sublime text

Bootstrap

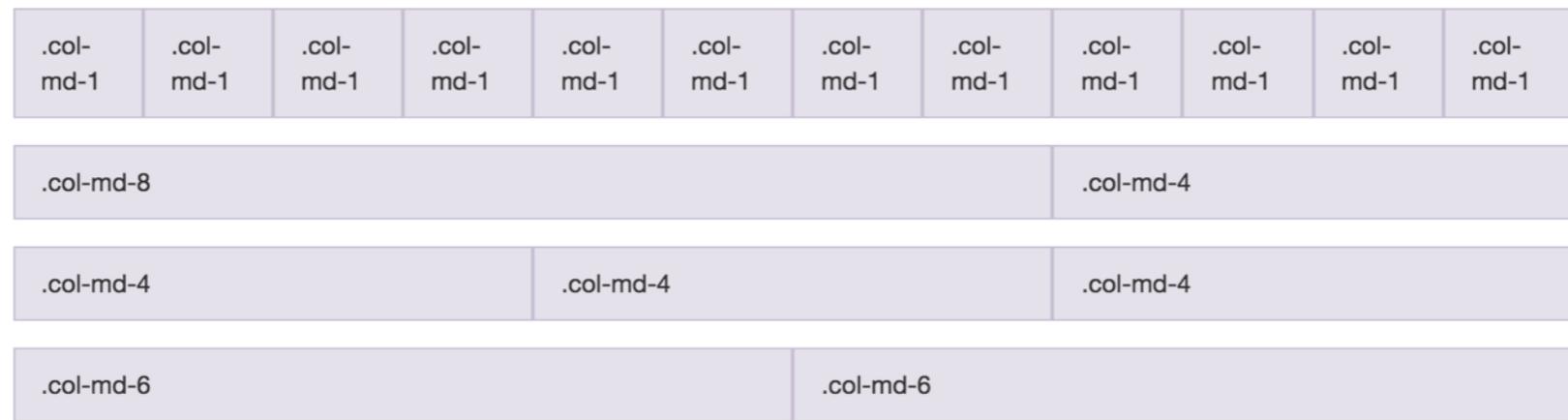
The Grid System:

<http://mhellar.github.io/bootstrap-grid/>

- Bootsraps grid systems allows you to have 12 columns across the page.
- Basically how it works it to imagine the screen divided into 12 equal units
- If you don't want to use all 12 units individually, you can group some of the units together to form wider columns
- For example to have 2 columns across a page you would have three groups of four units each.. If you want content spread across 2 columns set it up a two groups of 6 units each..
- Bootstrap is able to tell the screen size and re-arrange the columns accordingly
- When you set up your columns you assign them a class. The class suffix tells Bootstrap how many units to consume.
- For instance, the class .col-sm-6 will tell Bootstrap to use 6 units. Six is the suffix.
- The prefix tells how to arrange the columns on a device.

Bootstrap

The Grid System:



```
<div class="row">
  <div class="col-md-1">.col-md-1</div>
  <div class="col-md-1">.col-md-1</div>
</div>
<div class="row">
  <div class="col-md-8">.col-md-8</div>
  <div class="col-md-4">.col-md-4</div>
</div>
<div class="row">
  <div class="col-md-4">.col-md-4</div>
  <div class="col-md-4">.col-md-4</div>
  <div class="col-md-4">.col-md-4</div>
</div>
<div class="row">
  <div class="col-md-6">.col-md-6</div>
  <div class="col-md-6">.col-md-6</div>
</div>
```

Copy

Bootstrap

The Grid System:

Grid options

See how aspects of the Bootstrap grid system work across multiple devices with a handy table.

	Extra small devices Phones (<768px)	Small devices Tablets (≥768px)	Medium devices Desktops (≥992px)	Large devices Desktops (≥1200px)
Grid behavior	Horizontal at all times	Collapsed to start, horizontal above breakpoints		
Container width	None (auto)	750px	970px	1170px
Class prefix	.col-xs-	.col-sm-	.col-md-	.col-lg-
# of columns	12			
Column width	Auto	~62px	~81px	~97px
Gutter width	30px (15px on each side of a column)			
Nestable	Yes			
Offsets	Yes			
Column ordering	Yes			

Bootstrap

Glyphicons

 glyphicon glyphicon-asterisk	 glyphicon glyphicon-plus	 glyphicon glyphicon-euro	 glyphicon glyphicon-eur	 glyphicon glyphicon-minus	 glyphicon glyphicon-cloud	 glyphicon glyphicon-envelope	 glyphicon glyphicon-pencil
 glyphicon glyphicon-glass	 glyphicon glyphicon-music	 glyphicon glyphicon-search	 glyphicon glyphicon-heart	 glyphicon glyphicon-star	 glyphicon glyphicon-star-empty	 glyphicon glyphicon-user	 glyphicon glyphicon-film
 glyphicon glyphicon-th-large	 glyphicon glyphicon-th	 glyphicon glyphicon-th-list	 glyphicon glyphicon-ok	 glyphicon glyphicon-remove	 glyphicon glyphicon-zoom-in	 glyphicon glyphicon-zoom-out	 glyphicon glyphicon-off
 glyphicon glyphicon-signal	 glyphicon glyphicon-cog	 glyphicon glyphicon-trash	 glyphicon glyphicon-home	 glyphicon glyphicon-file	 glyphicon glyphicon-time	 glyphicon glyphicon-road	 glyphicon glyphicon-download-alt

<http://getbootstrap.com/components/>

Bootstrap

Even more icons:

<http://fortawesome.github.io/Font-Awesome/get-started/>

<http://glyphicon.com/examples-of-use/>

Bootstrap

-Jumbotron

-Oversized element that is meant to be a focal point on your website

```
<div class="container">
  <div class="jumbotron">
    <h1>My first Bootstrap website!</h1>
    <p>This page will grow as we add more and more components from Bootstrap...</p>
  </div>

  <p>This is another paragraph.</p>
  <p>This is a paragraph.</p>
  <p>This is another paragraph.</p>
</div>
```

Bootstrap

-Images

```

```

[http://www.tutorialrepublic.com/codelab.php?
topic=bootstrap&file=image-styling](http://www.tutorialrepublic.com/codelab.php?topic=bootstrap&file=image-styling)

Bootstrap

-Pagination

```
<ul class="pagination">
    <li><a href="#">1</a></li>
    <li><a href="#">2</a></li>
    <li><a href="#">3</a></li>
    <li><a href="#">4</a></li>
    <li><a href="#">5</a></li>
</ul>
```

[http://www.w3schools.com/bootstrap/
bootstrap_pagination.asp#](http://www.w3schools.com/bootstrap/bootstrap_pagination.asp#)

Bootstrap

<http://www.w3schools.com/bootstrap/default.asp>

<http://bootsnipp.com/>

<http://www.joyofbootstrap.com/code.php>

<http://www.bootply.com/>

<https://scotch.io/bar-talk/bootstrap-3-tips-and-tricks-you-might-not-know>

Bootstrap

<http://pingendo.com/>

Bootstrap

<http://www.lavishbootstrap.com/>

<http://webcolourdata.com/profile/118219>

<https://color.adobe.com/>

<http://www.creativebloq.com/colour/tools-colour-schemes-12121430>

Sharing Your Work with Gists and Blocks

1 Go to <https://gist.github.com/>

2 Enter a description, name the file **index.html**
and paste the code you want to share

Sharing Your Work with Gists and Blocks

You will get a URL like this:

<https://gist.github.com/mhellar/e5bfecaf53471bb69fdf>

Replace gist.github.com with this bl.ocks.org

<http://bl.ocks.org/mhellar/e5bfecaf53471bb69fdf>