TAKING FLIGHT WITH
TAILWIND CSS

- ▶ Full Stack Web Developer & System Administrator
- ▶ Senior Developer at Microserve
- ▶ Part-time freelancer
- ▶ Acquia certified Drupal 8 Grand Master
- ▶ Drupal 7 & 8 core contributor
- ▶ Symfony, Laravel, ~~Silex~~, Sculpin
- ▶ @opdavies
- ▶ www.oliverdavies.uk

- https://microserve.io
- https://www.drupal.org/microserve
- https://github.com/microserve-io
- https://twitter.com/microserveltd
- https://www.linkedin.com/company/ microserve-ltd

A UTILITY-FIRST CSS FRAMEWORK FOR RAPID UI DEVELOPMENT

A CSS FRAMEWORK
WITH NO CSS

A DIFFERENT WAY TO WRITE CSS

- ▶ Developed by Adam Wathan and others
- ▶ Utility CSS class generator
- ▶ PostCSS
- ▶ Configured with JavaScript
- ▶ Some preprocessor features
- ▶ Can be used in addition to preprocessors
- ▶ Open source

```css
.title {
    background-color: #3490DC;
    color: #FFF;
    display: block;
    font-size: 1.5rem;
    padding: 2rem;
}
```
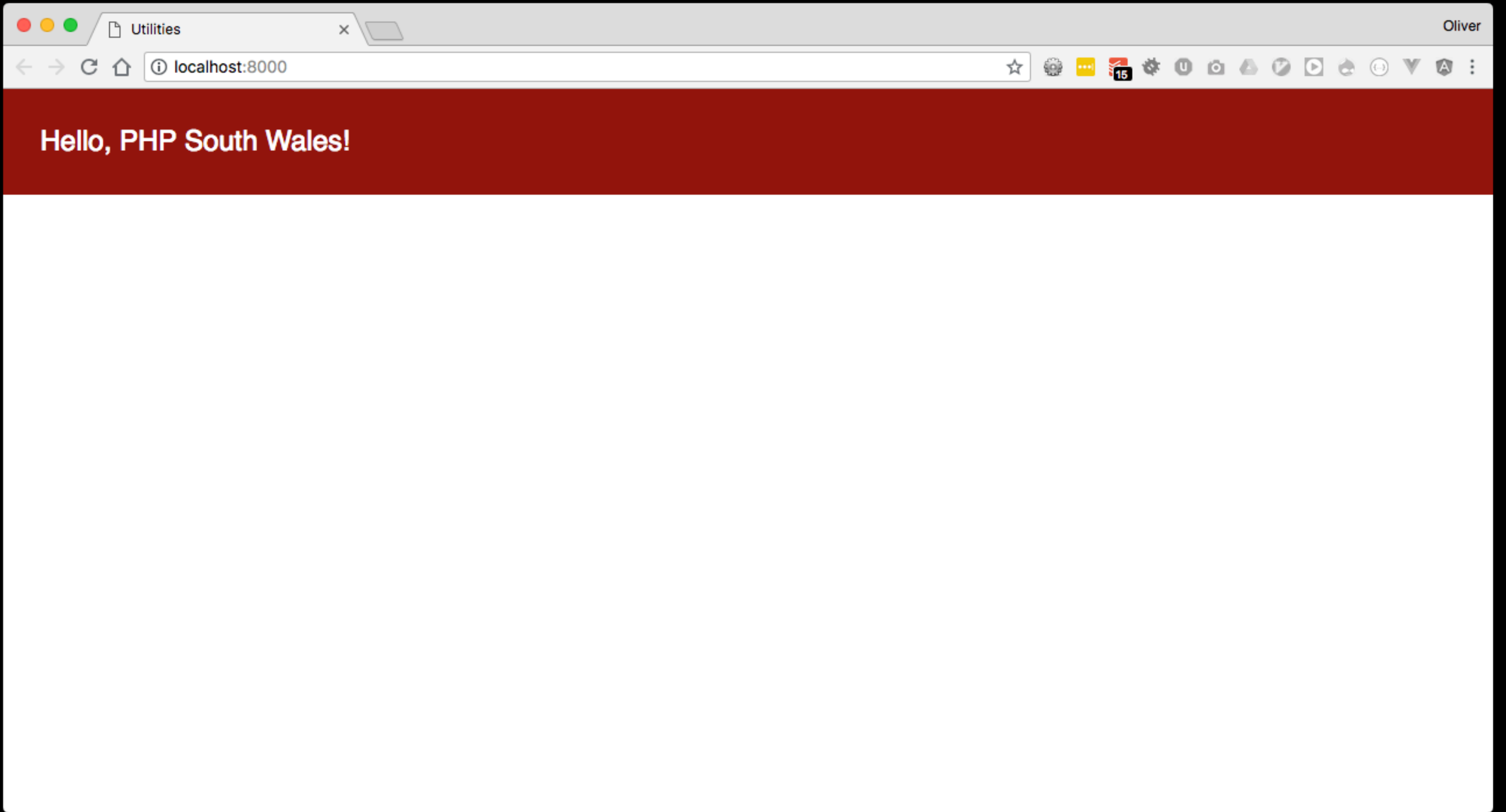
```css
.text-2xl {
    font-size: 1.5rem;
}


.bg-red {
    background-color: #93140B;
}


.text-white {
    color: #FFF;
}
```

```html
<div class="text-2xl bg-red text-white p-8">
    <p>Hello, PHP South Wales!</p>
</div>
```

INSTALLATION

OPTION 1

https://cdn.jsdelivr.net/npm/tailwindcss/dist/tailwind.min.css

OPTION 2

```
npm install tailwindcss --save-dev

yarn add tailwindcss --dev

./node_modules/.bin/tailwind init [filename]
```

```js
// tailwind.js

var colors = {
  'transparent': 'transparent',

  'black': '#222b2f',
  'grey-darkest': '#364349',
  'grey-darker': '#596a73',
  'grey-dark': '#70818a',
  'grey': '#9babb4',
  'grey-light': '#dae4e9',
  'grey-lighter': '#f2f2f2',
  'grey-lightest': '#fafcfc',
  'white': '#ffffff',
  ...
```

```css
// app.css

@tailwind preflight;

@tailwind components;

@tailwind utilities;
```

```javascript
// webpack.mix.js

let mix = require('laravel-mix');

require('laravel-mix-tailwind');

mix.postCss('build', 'assets/css/app.css')
    .tailwind();
```

```js
// webpack.config.js

Encore
    .setOutputPath('public/build/')
    .setPublicPath('/build')
    .addStyleEntry('app', './assets/css/app.css')
    .enablePostCssLoader()
;
```

```javascript
// postcss.config.js

module.exports = {
  plugins: [
    require('tailwindcss')('./tailwind.js'),
  ]
}
```

```html
<head>
    <title>Hello, World!</title>
    <link rel="stylesheet" href="/build/app.css">
...
```

```css
.text-left {
    text-align: left;
}


.text-center {
    text-align: center;
}


.text-right {
    text-align: right;
}


.text-justify {
    text-align: justify;
}


...
```

```html
<div class="text-2xl bg-red text-white p-8">
    <p>Hello, PHP South Wales!</p>
</div>
```

CONFIGURATION

```js
// tailwind.js

var colors = {
  ...

  'blue-darkest': '#05233b',
  'blue-darker': '#103d60',
  'blue-dark': '#2779bd',
  'blue': '#0678be',
  'blue-light': '#6cb2eb',
  'blue-lighter': '#bcdefa',
  'blue-lightest': '#eff8ff',

  ...
}
```

```
screens: {
  'sm': '576px',
  'md': '768px',
  'lg': '992px',
  'xl': '1200px',
}
```

```
textSizes: {
  'xs': '.75rem',      // 12px
  'sm': '.875rem',     // 14px
  'base': '1rem',      // 16px
  'lg': '1.125rem',    // 18px
  'xl': '1.25rem',     // 20px
  '2xl': '1.5rem',     // 24px
  '3xl': '1.875rem',   // 30px
  '4xl': '2.25rem',    // 36px
  '5xl': '3rem',       // 48px
}
```

```
width: {
  'auto': 'auto',
  'px': '1px',
  '1': '0.25rem',
  '2': '0.5rem',
  '3': '0.75rem',
  '4': '1rem',
  '6': '1.5rem',
  '8': '2rem',
  '10': '2.5rem',
  '12': '3rem',
  '16': '4rem',
  '24': '6rem',
  ...
}
```

```
padding: {
  'px': '1px',
  '0': '0',
  '1': '0.25rem',
  '2': '0.5rem',
  '3': '0.75rem',
  '4': '1rem',
  '5': '1.25rem',
  '6': '1.5rem',
  '8': '2rem',
  '16': '4rem',
}
```

```
options: {
  prefix: '',
  important: false,
  separator: ':',
}
```

- ▸ Colours (text and background)
- ▸ Font family, size, weight
- ▸ Leading (line height), tracking (letter spacing)
- ▸ Border widths, colours, radius
- ▸ Width, height, min/max width/height

- ▸ Padding, margin (positive and negative)
- ▸ Shadows
- ▸ Z-index
- ▸ Opacity
- ▸ SVG fill, stroke
- ▸ Screen sizes (breakpoints)

STATES

HOVER, FOCUS, ACTIVE, GROUP HOVER

`.{state}{separator}{class}`

```html
<a class="bg-grey hover:bg-grey-dark focus:bg-grey-dark" href="/">
    Home
</a>
```

```html
<a class="group">
    <img
        class="border-white group-hover:border-grey"
        src="{{ speaker.photoUrl }}"
    >

    <div class="no-underline group-hover:underline">
        {{ speaker.name }}
    </div>
</a>
```

RESPONSIVE

```
.{screen}{separator}{class}
```

```html
<div class="w-full md:w-1/2 lg:w-1/4">
    <p>Hello, World!</p>
</div>
```

EXTRACTING COMPONENTS

DO YOU NEED TO EXTRACT A COMPONENT?

```
{% for item in items %}
    <a class="block py-3 px--4 text-sm text-grey" href="{{ item.url }}">
        {{ item.title }}
    </a>
{% endfor %}
```

```
<h2>Adults</h2>

{% include 'class-list' with {
    classes: page.classes,
    type: 'adults',
} %}


<h2>Kids</h2>

{% include 'class-list' with {
    classes: page.classes,
    type: 'kids',
} %}
```

```html
<a href="inline-block rounded text-sm py-2 px-3 text-white bg-red">
    Click me!
</a>

<a href="inline-block rounded text-sm py-2 px-3 text-white bg-green">
    Click me too!
</a>
```

```css
# main.css

.button {
    @apply .inline-block;
    @apply .rounded;
    @apply .text-sm;
    @apply .py-2;
    @apply .px-3;
    @apply .text-white;
}
```

```html
<a href="button bg-red">
    Click me!
</a>


<a href="button bg-green">
    Click me too!
</a>
```

```less
// table.less

.table-responsive {
    @apply .mb-4 .border .w-full;
    overflow-x: auto;
    overflow-y: hidden;
}

.table-responsive table {
    @apply .mb-0 .border-0 .whitespace-no-wrap;
}

.table {
    @apply .w-full .table-collapse;
}

.table tr:nth-child(odd) {
    @apply .bg-grey-lightest;
}

.table tr th {
    @apply .text-left .p-3 .bg-white;
}

.table td {
    @apply .px-3 .py-3 .border-t;
}
```
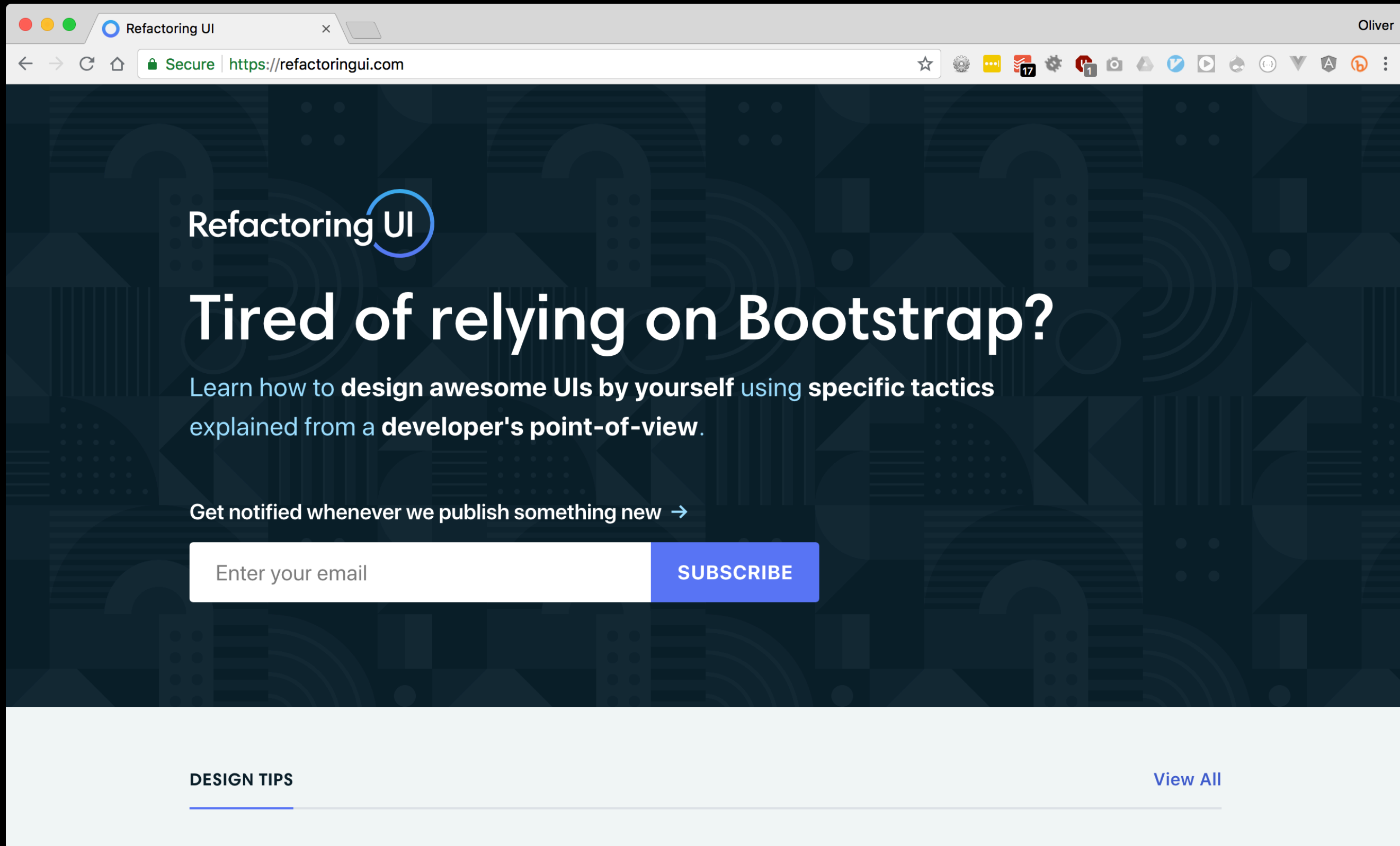
ADVANTAGES

▸ Quick to prototype and make changes

▸ Write less CSS

▸ More consistency

▸ Easy to customise, promote to components

▸ Mix and match with normal CSS

▸ Easy to write reusable plugins

▸ Use PurgeCSS to remove unused classes

DISADVANTAGES

▸ Extra build tools and steps

▸ Lots of classes in markup

▸ Large file size by default

Refactoring UI

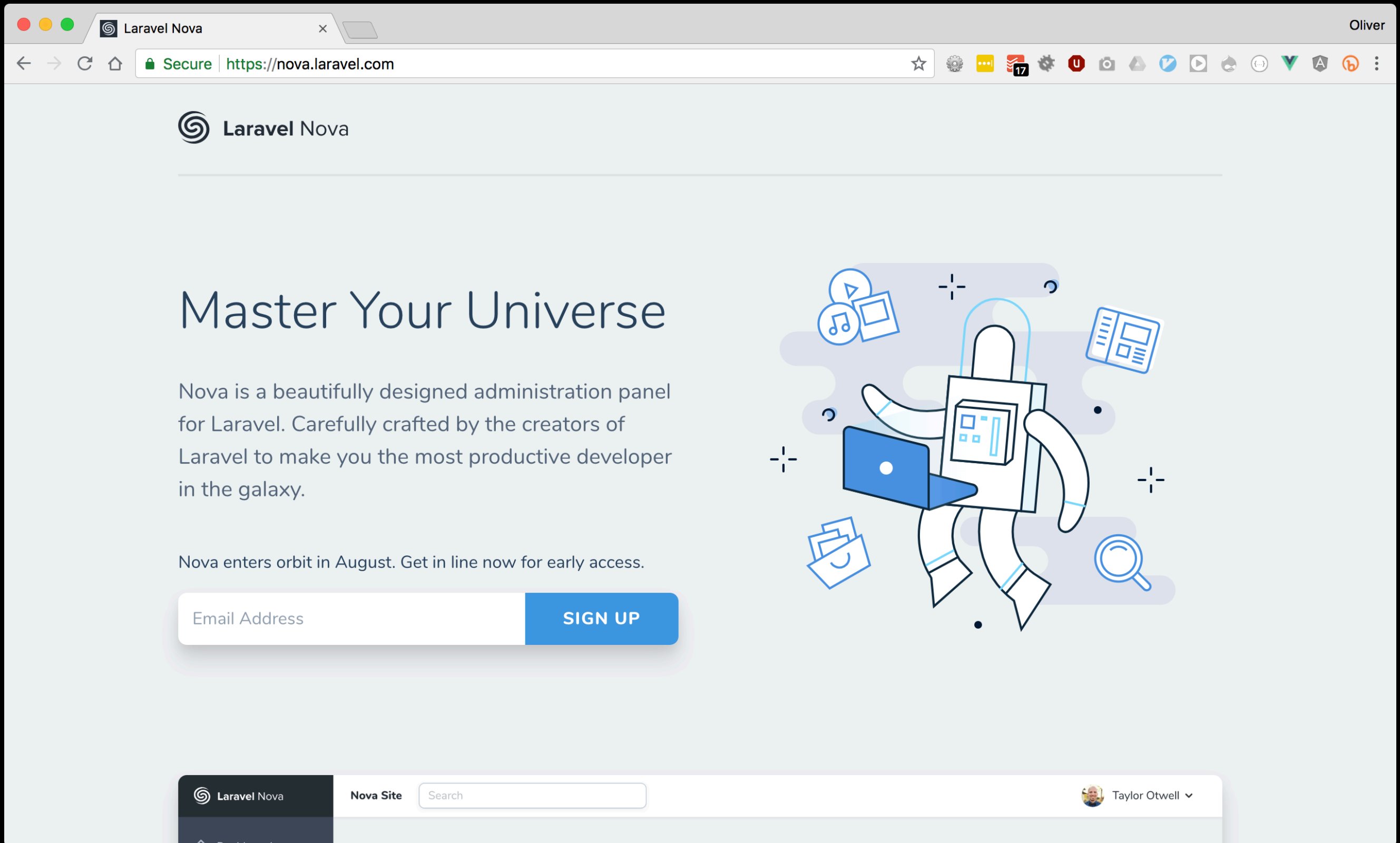# Tired of relying on Bootstrap?

Learn how to **design awesome UIs by yourself** using **specific tactics** explained from a **developer's point-of-view**.

Get notified whenever we publish something new →

Enter your email	**SUBSCRIBE**

DESIGN TIPS　　　　　　　　　　　　　　　　　　　　　　　　　　　　　View All

◎ Laravel Nova

Master Your Universe

Nova is a beautifully designed administration panel for Laravel. Carefully crafted by the creators of Laravel to make you the most productive developer in the galaxy.

Nova enters orbit in August. Get in line now for early access.

| Email Address | SIGN UP |

◎ Laravel Nova   **Nova Site**   Search   Taylor Otwell ⌄

Dashboard
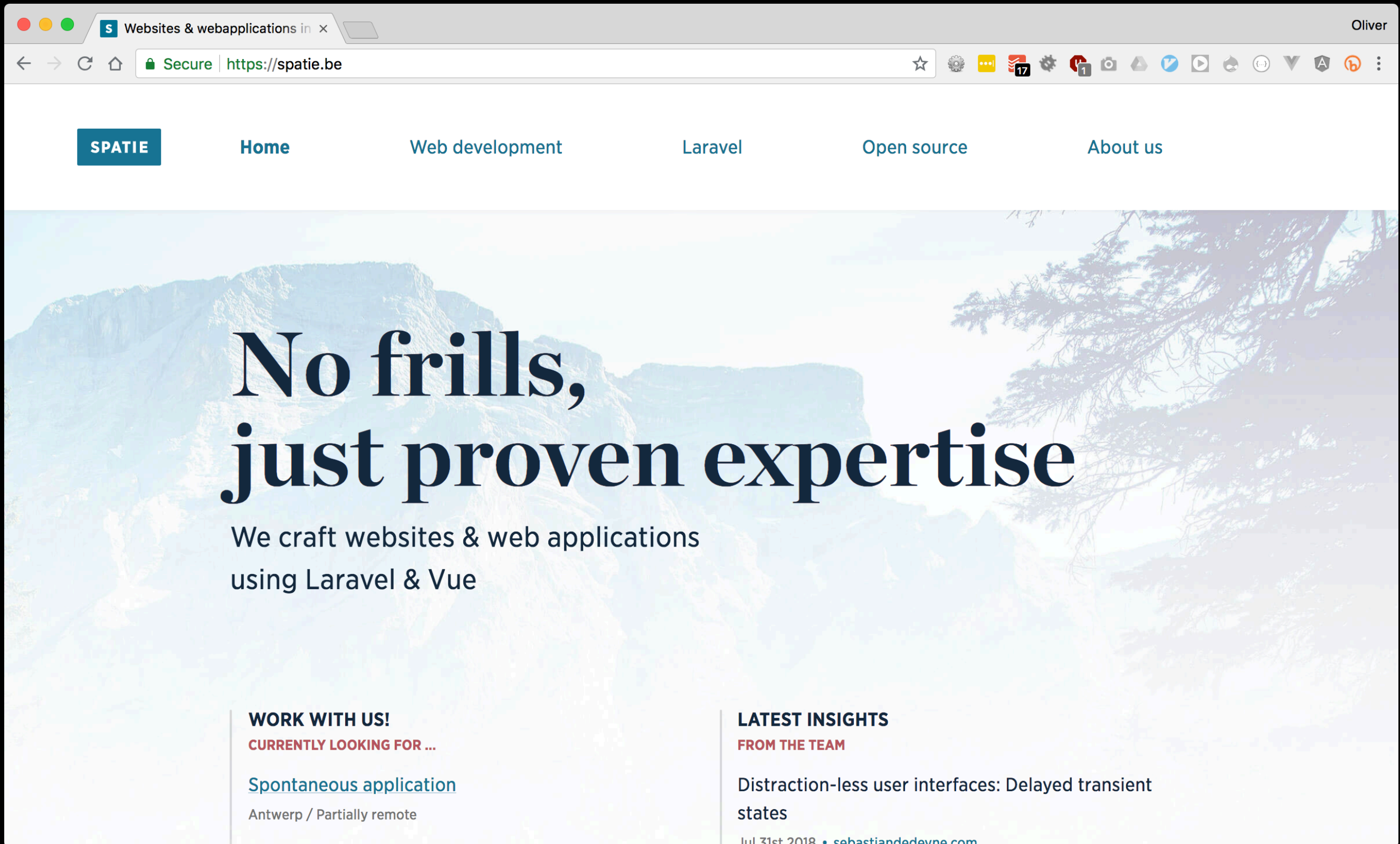
SPATIE

Home   Web development   Laravel   Open source   About us

No frills,
just proven expertise

We craft websites & web applications
using Laravel & Vue

WORK WITH US!

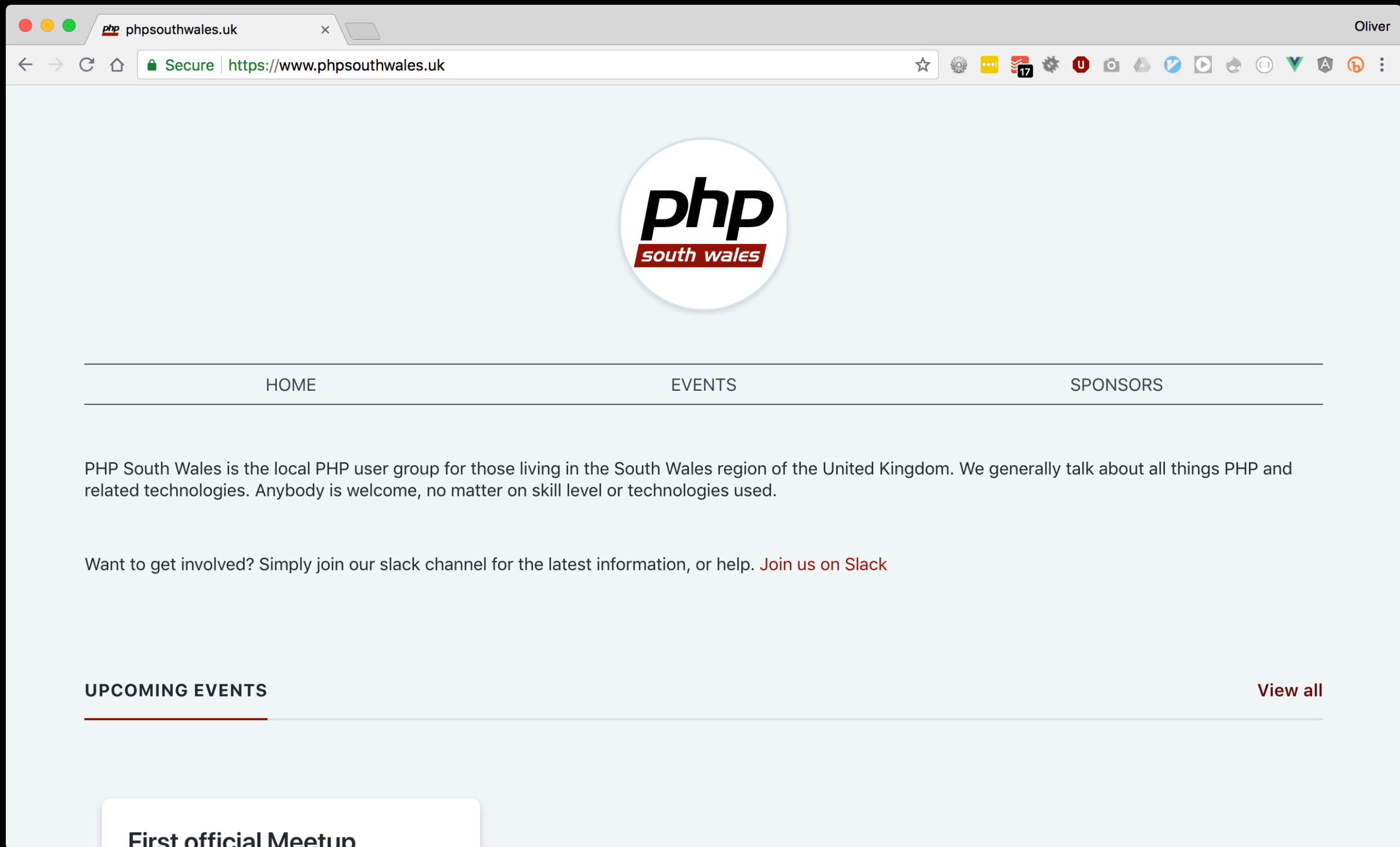**CURRENTLY LOOKING FOR ...**

Spontaneous application

Antwerp / Partially remote

LATEST INSIGHTS

FROM THE TEAM

Distraction-less user interfaces: Delayed transient states

Jul 31st 2018 • sebastiandedeyne.com

Secure | https://www.phpsouthwales.uk

HOME	EVENTS	SPONSORS

PHP South Wales is the local PHP user group for those living in the South Wales region of the United Kingdom. We generally talk about all things PHP and related technologies. Anybody is welcome, no matter on skill level or technologies used.

Want to get involved? Simply join our slack channel for the latest information, or help. Join us on Slack

UPCOMING EVENTS
View all

First official Meetup

RESOURCES

▶ tailwindcss.com

▶ tailwindcomponents.com

▶ github.com/merchedhq/awesome-tailwindcss

▶ youtube.com/adamwathan

▶ github.com/opdavies/oliverdavies.uk

▶ github.com/phpsw/phpsw-ng

THANKS!

@OPDAVIES
OLIVERDAVIES.UK