I’M OVER CSS.

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aka **THERE'S NO SUCH THING AS CSS ARCHITECTURE™.**

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aka CLASSNAMES HOLD NO SEMANTIC VALUE.

I'M OVER CSS.

aka THERE'S NO SUCH THING AS CSS ARCHITECTURE™.

aka CLASSNAMES HOLD NO SEMANTIC VALUE.

aka **YOU HAVE BEEN WAY OVERTHINKING IT THIS WHOLE TIME.**

`bgcolor="red"`	
`style="background-color: red;"`	
`html > div { background-color: red; }`	
`class="primary-content"`	
`class="Content--primary"`	
`class="bg:red"`	


DOES THIS INVOLVE NEW LIBRARIES?


YES.
GET OVER IT.

NEW PHONE, WHO DIS?


TED


Bankrate™


Quicken Loans®


11
leveleleven

@VinSpee

HOUSEKEEPING

```
typeof(thisFont) === ‘code’
```

Feel free to ask questions as they come up,
but I will have time for questions at the end.

I'M OVER CSS.

1. styling properties (<button color="red">)

I'M OVER CSS.

1. styling properties (`<button color="red">`)
2. styling tag names (`button`)

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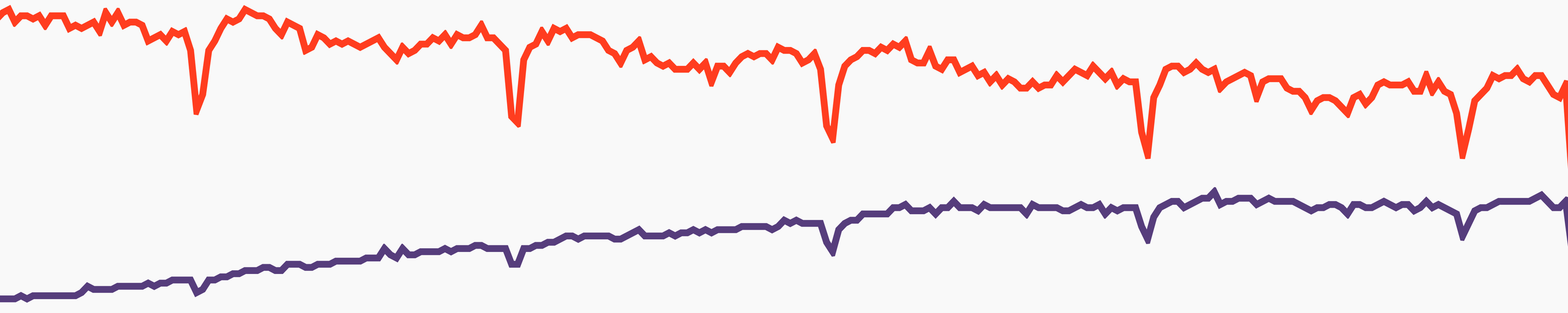
1. styling properties (`<button color="red">`)
2. styling tag names (`button`)
3. “semantic” class names (`.primary-button`)

I'M OVER CSS.

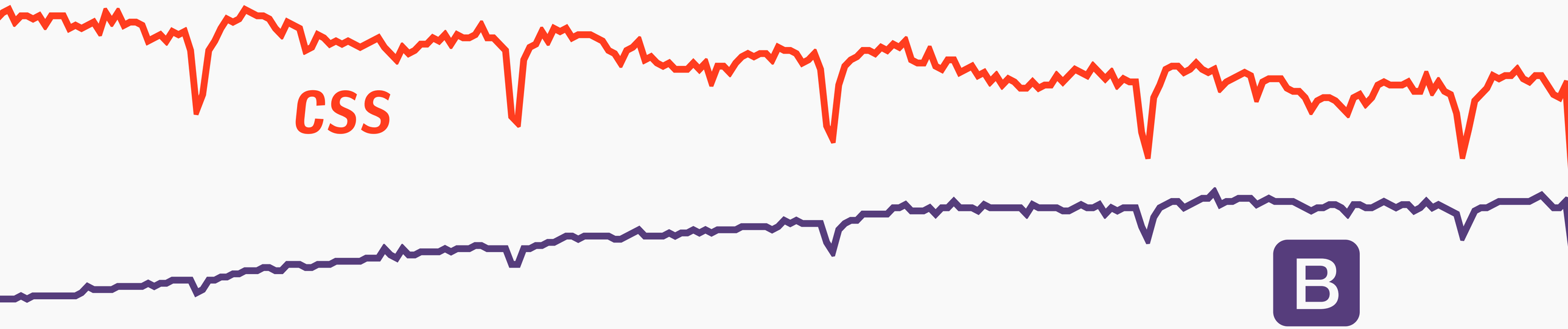
1. styling properties (`<button color="red">`)
2. styling tag names (`button`)
3. “semantic” class names (`.primary-button`)
4. BEM (`.button--primary`)

I’M SICK OF THIS NONSENSE.

EVERYONE ELSE IS TOO



EVERYONE ELSE IS TOO
SLOW AND STEADY DECLINE



FUNCTIONAL ATOMIC CSS

because buzzwords are good for upvotes.

FUNCTIONAL ATOMIC CSS

single-purpose, idempotent*, no side-effects.

**EYE*-*dəm*-*POH*-*tənt*

THIS IS WHY PEOPLE DON'T LEARN FUNCTIONAL PROGRAMMING.

idempotent: unchanged in value following multiplication by itself;

THIS IS WHY PEOPLE DON'T LEARN FUNCTIONAL PROGRAMMING.

idempotent: unchanged in value following multiplication by itself.

idempotent: the same input will result in the same output every time.

FUNCTIONAL
ATOMIC
CSS

single-purpose, idempotent*, no side-effects.

FUNCTIONAL
ATOMIC
CSS

lots of tiny pieces composing a larger vision

FUNCTIONAL
ATOMIC
CSS

our end result will be css styles, no matter our approach.

OH WAIT, THIS IS A JAVASCRIPT MEETUP?

REACT-SHED

a css-in-js component that prescribes constraints for setting component style in a functional fashion.

```
view = f(props);
```

```
view = f(props);
```

```
style = f(props);
```

```
view = f(props);

style = f(props);

view = f(style)(props);
```

REACT-SHED

```
yarn add react-shed
```

```
type TweetComponent = {
  author: string,
  authorHandle: string,
  avatar: string,
  date: string,
  tweet: string,
  meta?: {
    banner?: string,
    caption: string,
    url: string,
  },
  replies: number,
  retweets: number,
  likes: number,
};
```

```
const Tweet = ({
  author,
  authorHandle,
   avatar,
  date,
  tweet,
  meta: {
    banner,
    caption,
    url,
  },
  replies = 0,
  retweets = 0,
  likes = 0,
}: TweetComponent) => (
  <div>
    {author}
    {authorHandle}
    {avatar}
    {date}
    {tweet}
    {banner}
    {caption}
    {url}
    {replies}
    {retweets}
    {likes}
  </div>
);
```

TED Talks@TEDTalks1504063766575“We can face any future without fear so long as we know we will not face it alone.” @rabbisacksimages/thumb.jpegHow we can face the future with fear, togetherhttps://t.co/KQmNvhbgIm5102249

```
import Shed from 'react-shed';

const Tweet = ({ … }: TweetComponent) => (
  <Shed component="div">
    {author}
    {authorHandle}
    {avatar}
    {date}
    {tweet}
    {banner}
    {caption}
    {url}
    {replies}
    {retweets}
    {likes}
  </Shed>
);
```

TED Talks@TEDTalks1504063766575“We can face any future without fear so long as we know we will not face it alone.” @rabbisacksimages/thumb.jpegHow we can face the future with fear, togetherhttps://t.co/KQmNvhbglm5102249

```
import Shed from 'react-shed';

const Tweet = ({ … }: TweetComponent) => (
  <div.shed>
    {author}
    {authorHandle}
    {avatar}
    {date}
    {tweet}
    {banner}
    {caption}
    {url}
    {replies}
    {retweets}
    {likes}
  </div.shed>
);
```

TED Talks@TEDTalks1504063766575“We can face any future without fear so long as we know we will not face it alone.” @rabbisacksimages/thumb.jpegHow we can face the future with fear, togetherhttps://t.co/KQmNvhbgIm5102249

```
<img.shed
  d="i-b"
  w="full"
  src={avatar}
  alt={author}
/>
```

```
<img.shed
  d="i-b" // display: inline-block;
  w="full"
  src={avatar}
  alt={author}
/>
```

```
<img.shed
  d="i-b" // display: inline-block;
  w="full" // width: 100%;
  src={avatar}
  alt={author}
/>
```

```
<div.shed
  br="1/2"
  w="8"
  h="8"
  o="h"
>
  <img.shed … />
</div.shed>
```

```
<div.shed
  br="1/2" // border-radius: 50%;
  w="8"
  h="8"
  o="h"
>
  <img.shed … />
</div.shed>
```

br="1/2"

br="1of2"

br="6/12"

```
<div.shed
  br="1/2" // border-radius: 50%;
  w="8" // width: scale(8);
  h="8" // height: scale(8);
  o="h"
>
  <img.shed … />
</div.shed>
```

scale(8)?

```
scale(8): 11.302rem
scale(7): 7.993rem
scale(6): 5.653rem
scale(5): 3.998rem
scale(4): 2.827rem
scale(3): 1.999rem
scale(2): 1.414rem
scale(1): 1rem
scale(0): 0
scale(.1): 0.707rem
scale(.2): 0.5rem
scale(.3): 0.354rem
```

```
<div.shed
  br="1/2" // border-radius: 50%;
  w="8" // width: scale(8);
  h="8" // height: scale(8);
  o="h" // overflow: hidden;
>
  <img.shed … />
</div.shed>
```

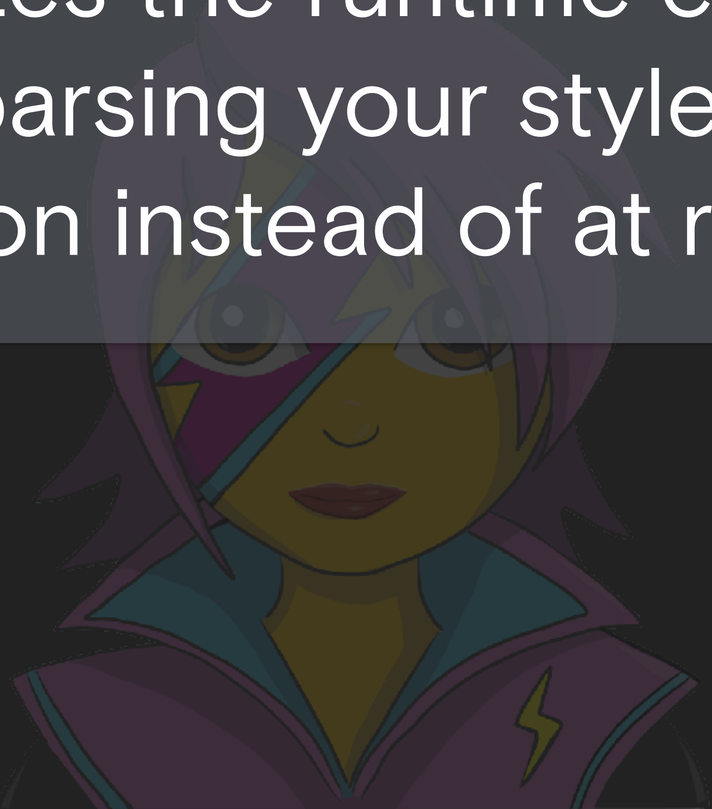
THIS IS SUPER GREAT. I LOVE IT SO FAR.

THIS IS SUPER GREAT. I LOVE IT SO FAR.
HOW DOES IT WORK?

EMOTION.

EMOTION.

“emotion minimizes the runtime cost of css-in-js dramatically by parsing your styles with PostCSS during compilation instead of at runtime.”



COOL. I DON'T REALLY CARE THAT MUCH, BUT SHOW ME THE OUTPUT WHILE YOU'RE TALKING ABOUT IT.

```
<div class="css-14ougef">
  <img
    src="…"
    alt="TED Talks"
    class="css-165nxkk"
  />
</div>
```

```
.css-165nxkk {
  display: inline-block;
  width: 100%;
}
```

```
.css-14ougef {
  width: 3.5831807999999996rem;
  height: 3.5831807999999996rem;
  overflow: hidden;
  border-radius: 50%;
}
```

EMOTION DOES ALL OF THE ANNOYING WORK FOR US – PRECOMPILING, CONDENSING, PSEUDO-SELECTORS, MEDIA QUERIES, OPTIMIZATION, ETC. IT'S MY FAVORITE CSS-IN-JS SOLUTION OUT THERE.

YOUR TURN. FINISH THE TWEET COMPONENT.

VINSPEE.ME/TWEET-SHED

QUESTIONS?

v@vinspee.me

@vinspee

vinspee.me/im-over-css