HOW I LEARN TO

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GET INSPIRED

Read articles & books
Listen to podcasts
Watch talks
START BUILDING
People go to conferences to get inspired and to learn about things that exist or maybe an overview of how to use it.
But then, they really learn that thing, that technology, when they go home and practice it themselves.
— Una Kravets, Toolsday #34
SHARE WITH THE WORLD

Write blog posts
Give a talk
Some Background

My name is Hui Jing.
Self taught designer and developer.
Work at Deep Labs.
Write blog posts from time to time.
DEMO #1: OTT RADIO BUTTONS

Which was the best moment in Game 7 of the 2016 NBA Finals?

The Block  The Shot  The Stop  The Feelz

Inspired by Ethan Marcotte’s Laziness in the Time of Responsive Design
THE CHECKBOX HACK (1/2)

The input and its label must be linked

Either wrap the input in the label

```html
<label>
  <input type="radio" name="moment" value="block">
  <img src="img/block.jpg" srcset="img/block.jpg 2x" alt="The Block">
  <span>The Block</span>
</label>
```

Or use the `for="ID_OF_INPUT"` attribute on the label

```html
<input type="radio" name="moment" value="block" id="block">
<label for="block">
  <img src="img/block.jpg" srcset="img/block.jpg 2x" alt="The Block">
  <span>The Block</span>
</label>
```
The Checkbox Hack (2/2)

Uses the :checked pseudo-class and sibling selectors

```css
.o-option__input {
  opacity: 0;
  position: absolute;
}

&:checked + .o-option__img {
  border-color: #860038;
}

&:checked ~ .o-option__txt {
  color: #860038;
}
```
CSS ANIMATIONS (1/3)

The `transform: translateX()` property with nth-child selectors

```css
.is-active.o-4options {
  z-index: -1;

.is-checked.o-option:nth-child(1) {
  transform: translateX(100%);
}

.is-checked.o-option:nth-child(3) {
  transform: translateX(-100%);
}

.is-checked.o-option:nth-child(4) {
  transform: translateX(-200%);
}
```
CSS ANIMATIONS (2/3)

The `transform: scale()` and `opacity` property

```css
.c-action,
.c-logo__img,
.is-active .o-option:not(.is-checked) {
  transform: scale(0);
  opacity: 0;
  z-index: 0;
}

.is-active .c-action,
.is-active .c-logo__img {
  opacity: 1;
  transform: scale(1);
}
```
CSS ANIMATIONS (3/3)

The transition and transition-delay property

```css
.o-option,
.c-action,
.c-logo__img {
  transition: transform 0.4s ease-in-out, opacity 0.4s ease-out;
  transition-delay: 0.1s;
}
```

That 0.1s pause does make a difference \(\_\(\ツ\)\_/\)
SEPARATION OF CONCERNS

- Layout-specific classes prefixed with l-
- Javascript hooks prefixed with js-
- Styling of objects prefixed with o-

Inspired by Harry Roberts' CSS for Software Engineers for CSS Developers.
ACCESSIBILITY PROBLEM

Does not play nice with keyboard controls 😞

Make the enhancement a choice that can be toggled
SOURCE CODE

https://github.com/huijing/ott-radio-btns

Codepen link
DEMO #2: CSS ALBUM ART

Tycho Album Artwork

All designs based on Scott Hansen's blog post outlining the design process for Tycho's Epoch album artwork.

Inspired by Scott Hansen's Epoch Artwork Lineage
PSEUDO-ELEMENTS

::before and ::after

Must have the content property to work
At least have empty quotes
Not visible in the page's source, only in CSS
SHAPES WITH CSS (1/3)

This be a circle

```css
.circle {
  width: 30vmin;
  height: 30vmin;
  background: #f2af29;
  border-radius: 50%; /* This is the key line, right here */
  margin: 0 auto;
}
```
SHAPES WITH CSS (2/3)

This be a triangle

```css
.triangle {
  border-top: 18.75vmin solid transparent;
  border-bottom: 18.75vmin solid transparent;
  border-left: 18.75vmin solid #1e292f;
}
```
SHAPES WITH CSS (3/3)

This be a trapezium

```
.trapezium {
  width: 60vmin;
  height: 30vmin;
  background: #1e292f;
  clip-path: polygon(33% 0, 67% 0, 100% 100%, 0% 100%); /* This is the key line, */
}
```

Unfortunately, clip-path is NOT supported in Edge or IE 😞
**BOX SHADOW TRICK**

Multiple box shadows are a thing

```
box-shadow: [horizontal offset] [vertical offset] [blur radius] [optional spread]
```

Make use of the offsets for positioning, and the blur radius for sizing

```
.o-logo-basic {
  border-radius: 50%;
  height: 1px;
  width: 1px;
  position: absolute;
  bottom: 10%;
  left: 50%;
  box-shadow: -6vmin 0 0.5vmin #47473f, -4vmin 0 0.5vmin #47473f,
              -2vmin 0 0.5vmin #47473f, 0 0 0.5vmin #47473f,
              4vmin 0 0.5vmin #47473f, -6vmin 2vmin 0 0.5vmin #47473f,
              -4vmin 2vmin 0 0.5vmin #47473f, 0 2vmin 0 0.5vmin #47473f,
              2vmin 2vmin 0 0.5vmin #47473f, 4vmin 2vmin 0 0.5vmin #47473f,
              6vmin 2vmin 0 0.5vmin #47473f;
}
```
CSS Scroll Snap

Okay fine, it's scroll-jacking \_(_\)/

Only works on Firefox and Edge 😞

```css
main {
  width: 100vw;
  height: 85vmin;
  white-space: nowrap;
  overflow-y: hidden;
  overflow: auto;
  -webkit-overflow-scrolling: touch;
  scroll-snap-type: mandatory; /* this is the key line */
}

section {
  display: inline-block;
  width: 100%;
  height: 100%;
  scroll-snap-coordinate: 0 0; /* this is the key line */
}
```
SOURCE CODE

https://github.com/huijing/album-art
Codepen link
TO FIND OUT MORE...

- Stuff you can do with the “Checkbox Hack”
- High Performance Animations
- Learning To Use The :before And :after Pseudo-Elements In CSS
- Creating Responsive Shapes With Clip-Path And Breaking Out Of The Box
- Single Div Drawings with CSS
- Introducing CSS Scroll Snap Points
THE END

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