

RESPONSIVE JAVASCRIPT

Not Your Momma's JavaScript

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SPARKBOX

Fluid Grids Flexible Media + Media Queries

RESPONSIVE

Fluid Grids
Flexible Media
Media Queries
+ **JavaScript**

AWESOME

THE ROLE OF JAVASCRIPT IN RESPONSIVE

RESPONSIVE JAVASCRIPT - NOT YOUR MOMMA'S JAVASCRIPT

Progressive Enhancement

"...uses web technologies in a layered fashion that allows everyone to access the basic content and functionality of a web page... while also providing an enhanced version of the page..."

http://en.wikipedia.org/wiki/Progressive_enhancement

Aggressive Enhancement

"...treating content itself as an enhancement."

<http://globalmoxie.com/blog/making-of-people-mobile.shtml>

Aggressive Enhancement

- ▶ http://filamentgroup.com/lab/ajax_includes_modular_content/
- ▶ <http://github.com/filamentgroup/Ajax-Include-Pattern/>
- ▶ <http://github.com/filamentgroup/quickconcat>
- ▶ <http://24ways.org/2011/conditional-loading-for-responsive-designs>

Enhanced Content

Subhead

Loading content based on media queries

Positioning Content

How do you arrange your content?

- ▶ **<http://github.com/filamentgroup/AppendAround>**

eCSSential

A better way to load CSS?

- ▶ <http://github.com/scottjehl/eCSSential>
- ▶ <http://github.com/filamentgroup/quickconcat>

Polyfills

**A shim that mimics a future API
providing fallback functionality to
older browsers.**

<http://paulirish.com/i/7570.png>

Polyfills

- ▶ [**http://github.com/scottjehl/Respond**](http://github.com/scottjehl/Respond)
- ▶ [**http://github.com/paulirish/matchMedia.js**](http://github.com/paulirish/matchMedia.js)
- ▶ [**http://github.com/scottjehl/picturefill**](http://github.com/scottjehl/picturefill)

PERFORMANCE ENHANCING USER INTERACTIONS POLYFILLS

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position: fixed



position: fixed



position: fixed

- ▶ <http://github.com/filamentgroup/fixed-fixed>
- ▶ <http://github.com/scottjehl/Device-Bugs/issues/1>
- ▶ It's buggy - proceed with caution
- ▶ Keyboard issues when filling out forms

Orientation Change Bug

- ▶ <http://github.com/scottjehl/iOS-Orientationchange-Fix>

respond.js

- ▶ [**http://scottjehl.github.com/respond**](http://scottjehl.github.com/respond)

matchMedia

- ▶ <http://github.com/paulirish/matchMedia.js>
- ▶ <http://github.com/sparkbox/mediaCheck>
- ▶ <http://github.com/ten1seven/jRespond>

Typography



Typography

- ▶ **fittextjs.com**
- ▶ **www.frequency-decoder.com/demo/slabText**
- ▶ **letteringjs.com/**
- ▶ **www.kernjs.com/**

Touch

- ▶ <http://eightmedia.github.com/hammer.js>
- ▶ <http://github.com/jairajs89/Touchy.js>
- ▶ <http://google.com>
- ▶ <http://swipejs.com>
- ▶ <http://flexslider.woothemes.com>
- ▶ <http://marktyrrell.com/labs/blueberry>

Code Structure



```
$(function() {  
  NAV.init();  
});
```


THANKS!

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