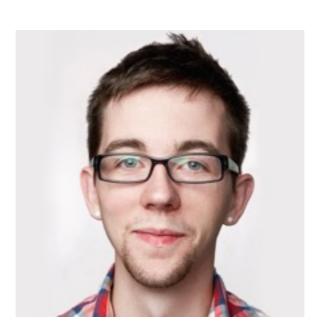
Eric Boyer, Product Designer (Sprout Social)



ERIC BOYER, PRODUCT DESIGNER

#### **HELLO!**

#### YOU?

# WHAT DO WE HOPE TO WALK AWAY WITH?

#### **AGENDA**

- Front-End Web Development Overview
- Basic Terminology and concepts
- **Tools**
- Continued Education
- A few tips!

### WHY WEB DEVELOPMENT?

#### WHY?

Make ideas come to life

**Opportunities** 

Communication

**Customize Websites** 

Help Others

Jobs

Leads to other tech related interests

#### WHY?

"I think everybody in this country should learn how to program a computer because it teaches you how to think." — Steve Jobs

# BASICTERMINOLOGY + CONCEPTS

CLIENT vs. SERVER
THE INTERNET!

## IP ADDRESS INTERNET PROTOCOL ADDRESS

#### **DNS SERVER**

# DOMAIN NAME SYSTEM A DNS NAME SERVER IS A SERVER THAT STORES THE DNS RECORDS FOR A DOMAIN NAME

CLIENT - "HEY, I NEED DIRECTIONS TO WWW.FACEBOOK.COM"

DNS SERVER - "OH, SURE BUD. <u>WWW.FACEBOOK.COM</u> MAPS TO 31.13.71.14"

SERVER (31.13.71.13) - "A LITTLE HAM AND EGGS COMIN' AT YA"

# **CDN**CONTENT DELIVERY NETWORK

#### **HOW CAN YOU DO THIS?**

DOMAIN NAME (GANDI.NET, NAME.COM)
HOSTING (NAME.COM, WEBFACTION.COM)

## HTML / CSS / JAVASCRIPT

#### HTML / CSS / JAVASCRIPT

## EVERYTHING THAT YOU SEE AND INTERACT WITH WHEN USING THE WEB IS HTML, CSS, AND JAVASCRIPT.

#### HTML / CSS / JAVASCRIPT

HTML (NOUN)
<P>HI</P>
MEANS 'PARAGRAPH'

CSS (ADJECTIVE)
P { COLOR: #FFF; }
MEANS 'PARAGRAPH IS WHITE'

JAVASCRIPT (VERB)
\$("P").ON("CLICK", FUNCTION(){ \$(THIS).HIDE(); });
MEANS "CLICKING ON THE PARAGRAPH HIDES IT"

#### **HTML**

## HYPERTEXT MARKUP LANGUAGE (STRUCTURE, BUILDING BLOCKS, NOUN)

```
<style>
   .menu .menu-header {
    margin: 0 0 10px 0;
     font-size: 20px;
    color: salmon;
   .menu .menu-content {
     font-size: 14px;
     color: black;
   </style>
   <div class="menu">
     <h1 class="menu-header">Lunch</h1>
13
     We've got some great lunch options for you.
     Taco
      Burrito
17
      Tostada
18
     19
   </div>
```

CSS
CASCADING STYLE SHEETS
(STYLE, ADJECTIVE)

```
<style>
2v .menu .menu-header {
    margin: 0 0 10px 0;
    font-size: 20px;
    color: salmon;
  .menu .menu-content {
    font-size: 14px;
    color: black;
  </style>
$(".js-menu-item").on("click", function(){
     $(this).remove();
    });
  </script>
  <div class="menu">
    <h1 class="menu-header">Lunch</h1>
    We've got some great lunch options for you.
    class="menu-item js-menu-item">Taco
     Burrito
     Tostada
    </div>
```

#### **JAVASCRIPT**

(BEHAVIOR, VERB)

#### HTML / CSS / JAVASCRIPT

#### **CHALLENGES**

**DEVICE RESOLUTIONS** (RETINA, 4K, LOW RESOLUTIONS)

**DEVICE SIZES** (PHONE, TABLET, DESKTOP)

**BROWSERS** (FIREFOX, CHROME, SAFARI, INTERNET EXPLORER 7, 8, 9, MICROSOFT EDGE)

**PERFORMANCE** 

# WHAT DO WE NEED TO GET STARTED?

#### WHAT DO WE NEED TO GET STARTED?

#### MAKING OUR FIRST WEB PAGE

- Browser
- Text editor

#### WHAT DO WE NEED TO GET STARTED?



## MAKING YOUR LIFE EASY

#### **MAKING YOUR LIFE EASY**

#### FRAMEWORKS, LIBRARIES, PLUGINS, PLATFORMS

- normalize.css
- **→** Bootstrap
- Foundation
- Content Management Systems (Wordpress, Tumblr, Shopify)

#### **MAKING YOUR LIFE EASY**

#### **VERSION CONTROL (GIT)**

#### **MAKING YOUR LIFE EASY**



### CONTINUED EDUCATION

#### **CONTINUED EDUCATION**

#### **ONLINE RESOURCES**

- w3schools.com
- <u>learn.shayhowe.com/html-css</u>
- stackoverflow.com
- code.tutsplus.com
- teamtreehouse.com
- designernews.co
- dribbble.com

#### **CONTINUED EDUCATION**

#### GENERAL ASSEMBLY, FRONT-END-WEB-DEVELOPMENT

- Aug 17 Oct 28
- *▶ Mon & Wed (6pm 9pm)*
- Sarah Holden & Jeff Belser
- Sep 19 Nov 21
- *▶ Sat (10am 5pm)*
- Matt Soria

### Q&A

#### THANKS!

#### ERIC BOYER, PRODUCT DESIGNER (SPROUT SOCIAL)

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http://eboyer.io/talks/html-css-basics-hands-on-coding