

# WEB DEVELOPER CAREER BLUEPRINT *syllabus*



## HAVE A QUESTION? ASK!

Read up on all the ways you can [get help](#).



## CONFUSION IS GOOD :)

Seriously, it's scientific fact. [Read all about it!](#)



## REMEMBER, YOU ARE NOT ALONE!

Join your Skillcrush classmates over on [Mightybell](#)



## STAY TUNED TO YOUR INBOX

Our class emails will keep you on track and in the loop!



## BEFORE YOU BEGIN!

### START YOUR ORIENTATION:

[Welcome to Skillcrush](#)

## GENERAL OBJECTIVES

- 1 Learn how to concisely explain your technical question to a group.
- 2 Learn how to answer technical questions like a developer.
- 3 How to research your technical problem on the web.

## CLASS GOALS

- 1 BUILD & LAUNCH YOUR PORTFOLIO SITE!
- 2 LEARN HTML & CSS
- 3 LEARN THE FUNDAMENTALS OF JAVASCRIPT & JQUERY
- 4 LEARN RUBY PROGRAMMING FUNDAMENTALS

# SKILLCRUSH 101: HTML & CSS

In this class you will learn how to code in HTML and CSS, and then build and launch your online portfolio!

**TIMELINE:** 3 Weeks + 1 Week Break

**PROJECT:** A striking resume website!

<b>WEEK 1</b>	
<b>SKILL LESSONS</b>	<ul style="list-style-type: none"><li>● Intro to HTML</li><li>● All About HTML Tags</li><li>● Making Ordered and Unordered Lists</li><li>● Images, Attributes, and Links</li><li>● Organizing HTML with Divs &amp; HTML5</li><li>● Embedding Objects with iFrames</li><li>● Head, Body, and Meta Tags</li><li>● HTML Best Practices</li></ul>
<b>WEEK 2</b>	
<b>SKILL LESSONS</b>	<ul style="list-style-type: none"><li>● Intro to CSS</li><li>● Styling Text</li><li>● Font Files &amp; Web Fonts</li><li>● Backgrounds, Colors, and Borders, Oh My!</li><li>● Height, Width, and the Box Model</li><li>● Differentiating Between Elements: Classes &amp; IDs!</li><li>● Layouts &amp; Floating</li></ul>
<b>WEEK 3</b>	
<b>SKILL LESSONS</b>	<ul style="list-style-type: none"><li>● Coding &amp; Launching a Site</li><li>● Setting Up Your HTML Structure</li><li>● Checking Your Code</li><li>● Styling Your Layout with CSS</li><li>● All About Domains &amp; Hosting</li><li>● Customizing Your Website</li></ul>

# SKILLCRUSH 102: JAVASCRIPT & JQUERY

In this class you will learn how to design engaging and interactive user experiences and then translate those designs into motion using JavaScript and jQuery.

**TIMELINE:** 3 Weeks + 1 Week Break

**PROJECT:** Add jQuery to your resume site!

<b>WEEK 1</b>	
<b>SKILL LESSONS</b>	<ul style="list-style-type: none"><li>● Introducing JavaScript</li><li>● JavaScript &amp; HTML</li><li>● The DOM: Objects in the Browser</li><li>● Conditionals &amp; Control Flow</li><li>● Repetitive Code</li></ul>
<b>WEEK 2</b>	
<b>SKILL LESSONS</b>	<ul style="list-style-type: none"><li>● Getting Started with Events</li><li>● User-Triggered Events</li><li>● All About Functions</li><li>● The Browser Environment</li><li>● More Events!</li></ul>
<b>WEEK 3</b>	
<b>SKILL LESSONS</b>	<ul style="list-style-type: none"><li>● The “Query” in jQuery</li><li>● Working with jQuery Objects</li><li>● Reading JavaScript Documentation</li><li>● Libraries, Plugins, Widgets, Oh My!</li></ul>

# SKILLCRUSH 104: RUBY, GIT & THE COMMAND LINE

Once you've learned how to build the frontend of a site, learn how to make it function with Ruby, a back-end programming language!

**TIMELINE:** 4 Weeks

**PROJECTS:** Numerology App, Magic 8-ball App, Interactive Weather Forecasting App

<b>WEEK 1</b>	
<b>SKILL LESSONS</b>	<ul style="list-style-type: none"><li>● Meet Ruby!</li><li>● Intro to Command Line</li><li>● How to Install Ruby</li><li>● Programming Fundamentals in Ruby</li></ul>
<b>WEEK 2</b>	
<b>SKILL LESSONS</b>	<ul style="list-style-type: none"><li>● How to Run Ruby Files</li><li>● Conditional Logic</li><li>● Refactoring</li><li>● Writing Your Own Methods</li><li>● Advanced Method Techniques</li></ul>
<b>WEEK 3</b>	
<b>SKILL LESSONS</b>	<ul style="list-style-type: none"><li>● Loops &amp; Iterators</li><li>● Introducing Object Orientation</li><li>● Attributes &amp; Symbols</li><li>● Introducing &amp; Installing Git</li><li>● Branches, Merging &amp; Errors</li></ul>
<b>WEEK 4</b>	
<b>SKILL LESSONS</b>	<ul style="list-style-type: none"><li>● Getting Started with GitHub</li><li>● GitHub Basics</li><li>● GitHub Pages</li><li>● Working With Teams on GitHub</li><li>● Gems, Gems, and More Gems!</li></ul>