

# FRONT END 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 in the [Google Group](#)!



## 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

LEARN HTML & CSS

2

DEVELOP A RESPONSIVE WEBSITE WITH A MOBILE FIRST APPROACH

3

GET UP AND RUNNING WITH GIT & GITHUB

4

LEARN THE FUNDAMENTALS OF JAVASCRIPT & JQUERY

# SKILLCRUSH 101: HTML & CSS

In this class, you'll learn how to code in HTML and CSS, and then structure, design, and launch your very own personal website!

**TIMELINE:** 3 weeks (followed by a 2-week break!)

**PROJECT:** A striking personal website! And a bonus project to sharpen your skills.

| WEEK 1        | JUNE 5 - 11   |
|---------------|---|
| SKILL LESSONS | <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> |
| WEEK 2        | JUNE 12 - 18  |
| SKILL LESSONS | <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>                      |
| WEEK 3        | JUNE 19 - 25  |
| SKILL LESSONS | <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 206: RESPONSIVE WEB DEVELOPMENT

In this class, you'll learn fundamentals of responsive web design, including how to set up your code according to industry standards, use media queries to set breakpoints in your code for different screen sizes, make responsive typography and images, and how to code responsive layouts using flexbox.

**TIMELINE:** 3 weeks

**PROJECTS:** 2 responsive websites + 3 Flexbox websites

| WEEK 1        | JULY 10 - 16   |
|---------------|--|
| SKILL LESSONS | <ul style="list-style-type: none"><li>• Intro to Mobile First</li><li>• Structuring Your Files (&amp; File Naming Cheatsheet)</li><li>• Working with Browser Inspectors</li><li>• Adding Media Queries to Your Project</li><li>• Setting Up Breakpoints</li><li>• Responsive Typography &amp; Google Web Fonts</li></ul> |
| WEEK 2        | JULY 17 - 23   |
| SKILL LESSONS | <ul style="list-style-type: none"><li>• Getting Started with a Boilerplate</li><li>• Making Your Project Fluid</li><li>• Responsive Grids in Action</li><li>• Coding Your Style Tiles</li><li>• Adding Responsive Images</li><li>• Responsive IFrames</li><li>• Intro to Icon Fonts &amp; Font Awesome</li></ul>         |
| WEEK 3        | JULY 24 - 30   |
| SKILL LESSONS | <ul style="list-style-type: none"><li>• Finishing Your Project</li><li>• Testing Your Website</li><li>• Intro to Flexbox</li><li>• Using Flexbox Grids</li><li>• Using Flexbox Layouts</li></ul>   |

## SKILLCRUSH 105: GIT SAFARI

Learn the basics of the most popular version control system that all the pros use. This class will teach you how to use the command line, Git, and GitHub

**TIMELINE:** 1 Week

| WEEK 1        | JULY 31 - AUGUST 6   |
|---------------|--|
| SKILL LESSONS | <ul style="list-style-type: none"><li>• Intro to the Command Line</li><li>• Intro to Git &amp; How to Install Git</li><li>• Your First Repository &amp; Git Commands</li><li>• Branches, Merging, and Errors</li><li>• Getting Started with GitHub &amp; GitHub Basics</li></ul> |
| BONUS         | Working with Teams on GitHub   |

# SKILLCRUSH 102: JAVASCRIPT & JQUERY

In this class, you'll learn the foundational programming principles you need to get started as a developer and use them to develop functional projects for your portfolio.

**TIMELINE:** 3 Weeks (Followed by a 1-week bonus project!)

**PROJECT:** Two programming projects and a bonus Election Map

|                      |   |
|----------------------|---|
| <b>WEEK 1</b>        | <b>AUGUST 7 - 13</b>  |
| <b>SKILL LESSONS</b> | <ul style="list-style-type: none"><li>• Introducing JavaScript</li><li>• Principles of Computational Thinking</li><li>• Logic &amp; Flowcharts</li><li>• Introducing Pseudocode</li><li>• Objects &amp; Functions</li><li>• Loops &amp; Arrays</li></ul>  |
| <b>WEEK 2</b>        | <b>AUGUST 14 - 20</b>   |
| <b>SKILL LESSONS</b> | <ul style="list-style-type: none"><li>• Introduction to JS Bin</li><li>• Primitive Data Types</li><li>• JavaScript Syntax &amp; Structure</li><li>• Keywords &amp; Operators</li><li>• Objects, Properties, &amp; Methods</li><li>• Arrays, Methods, &amp; Math</li><li>• 'For' Loops &amp; 'While' Loops</li></ul> |
| <b>WEEK 3</b>        | <b>AUGUST 21 - 27</b>   |
| <b>SKILL LESSONS</b> | <ul style="list-style-type: none"><li>• Integrating JavaScript with HTML</li><li>• Introducing the DOM</li><li>• Events &amp; Event Listeners</li><li>• Introducing jQuery</li><li>• Getting Fancy with jQuery</li></ul>  |
| <b>WEEK 4</b>        | <b>AUGUST 28 - SEPTEMBER 3</b>  |
| <b>BONUS PROJECT</b> | <ul style="list-style-type: none"><li>• Introducing the Election Map Project</li></ul>  |