



skillcrush

FRONT END DEVELOPER CAREER BLUEPRINT

SYLLABUS

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 student community!



GET THE SUPPORT YOU NEED
Find out all the ways you can get help [here!](#)



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

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

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

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	
SKILL LESSONS	<ul style="list-style-type: none">● Intro to the Command Line● Intro to Git & How to Install Git● Your First Repository & Git Commands● Branches, Merging, and Errors● Getting Started with GitHub & GitHub Basics
BONUS	Working with Teams on GitHub

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	
SKILL LESSONS	<ul style="list-style-type: none">● Intro to Mobile First● Structuring Your Files (& File Naming Cheatsheet)● Working with Browser Inspectors● Adding Media Queries to Your Project● Setting Up Breakpoints● Responsive Typography & Google Web Fonts
WEEK 2	
SKILL LESSONS	<ul style="list-style-type: none">● Getting Started with a Boilerplate● Making Your Project Fluid● Responsive Grids in Action● Coding Your Styles● Adding Responsive Images● Responsive IFrames● Intro to Icon Fonts & Font Awesome
WEEK 3	
SKILL LESSONS	<ul style="list-style-type: none">● Finishing Your Project● Testing Your Website● Intro to Flexbox● Using Flexbox Grids● Using Flexbox Layouts

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 - 4 Weeks

PROJECT: Two programming projects and a bonus Election Map

WEEK 1	
SKILL LESSONS	<ul style="list-style-type: none">● Introducing JavaScript● Principles of Computational Thinking● Logic & Flowcharts● Introducing Pseudocode● Objects & Functions● Loops & Arrays
WEEK 2	
SKILL LESSONS	<ul style="list-style-type: none">● Introduction to JS Bin● Primitive Data Types● JavaScript Syntax & Structure● Keywords & Operators● Objects, Properties, & Methods● Arrays, Methods, & Math● 'For' Loops & 'While' Loops
WEEK 3	
SKILL LESSONS	<ul style="list-style-type: none">● Integrating JavaScript with HTML● Introducing the DOM● Events & Event Listeners● Introducing jQuery● Getting Fancy with jQuery
WEEK 4	
BONUS PROJECT	<ul style="list-style-type: none">● Introducing the Election Map Project