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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

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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 + 1-Week Break

PROJECT: A striking personal website!

WEEK 1	
SKILL LESSONS	● 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	● 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	● Coding & Launching a Site ● Setting Up Your HTML Structure ● Checking Your Code ● Styling Your Layout with CSS ● All About Domains & Hosting ● Customizing Your Website

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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 + 1-Week Break

PROJECT: Develop a responsive website and a flexbox website

WEEK 1	
SKILL LESSONS	● 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	● Getting Started with a Boilerplate ● Making Your Project Fluid ● Responsive Grids in Action ● Coding Your Style Tiles ● Adding Responsive Images ● Responsive IFrames ● Intro to Icon Fonts & Font Awesome

WEEK 3	
SKILL LESSONS	● Finishing Your Project ● Testing Your Website ● Intro to Flexbox ● Using Flexbox Grids ● Using Flexbox Layouts
BONUS	Intro to Bootstrap

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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	● 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

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SKILLCRUSH 102: JAVASCRIPT & JQUERY

In this class you'll learn how to design engaging and interactive user experiences and then translate them into motion using JavaScript and jQuery.

TIMELINE: 3 Weeks

PROJECT: Add jQuery to your personal website!

WEEK 1	
SKILL LESSONS	● Introducing JavaScript ● JavaScript & HTML ● The DOM: Objects in the Browser ● Conditionals & Control Flow ● Repetitive Code

WEEK 2	
SKILL LESSONS	● Getting Started with Events ● User-Triggered Events ● All About Functions ● The Browser Environment ● Even More Events!

WEEK 3	
SKILL LESSONS	● Intro to jQuery ● Working with jQuery Objects ● Reading JavaScript Documentation ● Libraries, Plugins, and Widgets, Oh My! ● Loops, Chaining, and Refactoring

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