HackerYou Course Syllabus

Web Development Immersive

Full-time. Nine weeks. Life-changing.

WEEK 1

HTML5 & CSS3

This course starts with the fundamentals of web development. In your first week, through a mix of lessons and hands-on exercises, you'll start learning HTML and CSS. For your first project, you'll be assigned a three-page website design that's been created by a professional designer. Your task will be to bring the design to life using HTML & CSS in exactly the designer's vision. This is a core skill for junior front-end developers, and we'll make sure you're very good at it!

WEEK 2

Responsive Design

In week 2, we'll continue learning and building out your HTML and CSS. Then, we'll tackle responsive design. On Wednesday, you'll start your second project: a single-page website with a great-looking and functional form, embedded media, and a navigation menu. This project will also be fully responsive.

WEEK 3

Advanced CSS + Intro to JavaScript & jQuery

In week 3, you'll learn about CSS techniques like transitions and animations, working with grids, CSS preprocessors like Sass, and much more. Your responsive website is due by mid-week which will formally wrap up the HTML & CSS portion of the course. For the rest of Week 3, we'll split your cohort into two or three groups (with two or more instructors per group) and begin our deep dive into JavaScript. We start at the very beginning by introducing you to programming fundamentals such as objects, functions, and arrays. Over the weekend, you'll have time to review the fundamentals so that you're in good shape for Week 4.

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WEEK 4

JavaScript & jQuery

This week, we'll dive further into the fundamentals of JavaScript and explore jQuery, a popular JavaScript library. For your first JavaScript project, you will work individually to create an interactive user experience with a jQuery library. What you create is up to you! It could be a quiz, game, or something else entirely, like Nicholas and Andrea's Apology Generator. It's time to let your creativity shine.

WEEK 5

JavaScript & jQuery

In our second full week tackling JavaScript & jQuery, you'll learn about Ajax, JSON, and working with APIs. This week you'll be working solo, and your project for the week will be a one-page web app. You'll use an API to pull in data from one or more sources, and then add some functionality and style the rest of the site. You'll also learn about version control and open-sourcing code using Git and Github. We encourage students to spend extra time coming up with shareable app ideas - these are often some of the most creative and exciting projects to come out of the bootcamp, and we love to share them widely.

WEEK 6

JavaScript & jQuery

In week 6, you'll learn workflow automation and Javascript tooling with Gulp. For this week's project you'll be assigned to a team of three as well as a "client" looking to have a specific web app created, complete with technical requirements and a style guide. In your group, you'll use your knowledge to develop the app from scratch, while collaborating as a team both in-person and via Git and GitHub.

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WEEK 7

React + Firebase

This week we start exploring the popular JavaScript library, React. You will learn how to use React to create modular and reusable interfaces for your web applications. This week we'll also look into Firebase, a backend-as-a-service (BaaS) system that allows us to create web applications with persistent data. This week, you'll start building your first truly rich web application, such as an app that takes notes, manages to-dos or books appointments.

WEEK 8

React + Firebase

Building on the previous week, you'll continue to develop your final web applications and explore more features available in React and Firebase. Though there will be several lessons and exercises on more advanced topics related to JavaScript, React and Firebase, you'll have a lot of time to get help with whatever you need in order to be ready for week 9's big events: Demo Night and Industry Day! This week, we're also starting to get you thinking about life after bootcamp and your job hunt. HackerYou's CEO Heather Payne will take students through a 90-minute session about finding their first jobs as developers, based on everything that we've learned since introducing our bootcamp program in 2014.

WEEK 9

Final Week

It's finally here! Eight weeks of hard work brings us to the most exciting week of all - week 9. Wednesday evening is Demo Night, a celebration of our soon-to-be bootcamp graduates. Hundreds of people, including friends, family, recruiters as well as HackerYou alumni, will fill our space to check out our students' work. As a student, you get to celebrate the end being near!

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WEEK 9

Then, on the final afternoon of the bootcamp, we host a well-loved event called Industry Day. We invite the same number of employers as we have students, and have these employers rotate around the space, spending two minutes with each student. It's high-energy and fun, and the perfect way to wrap up nine weeks at HackerYou. This helps students perfect their elevator pitch, which they'll need to start on their job hunt the following week.

ONGOING SUPPORT

We're With You Until the End

After the bootcamp, you're welcome to continue to work from HackerYou as you conduct your job search or launch your freelance business. Our CEO Heather Payne hosts a weekly meeting for anyone who's job hunting, and there are separate meetings and resources for those pursuing freelance careers. Plus, Heather is available for one-on-ones and career strategizing any time. At HackerYou, we're committed to helping you reach your goals, no matter what it takes.