

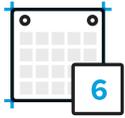


# Introduction to Web Development

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# Learn Part-Time With Lighthouse Labs

Gain career-advancing skills without quitting your day job. Our part-time courses offer you the opportunity to develop the technology-savvy skills you need to future-proof your career.



6 weeks



2 evenings  
per week



3 hours  
per evening



Hands-on  
instruction

## Why You Want to Learn & How We Can Help



Curious Learners

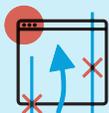
Whet your appetite for learning to code.

Build confidence & awareness to coding.



Entrepreneurs & Ideators

Bring your idea to life by building a Minimum Viable Product (MVP) from scratch.



Career Minded  
Professionals

Acquire a common vocabulary to help you collaborate with dev teams.

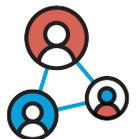


Future Bootcamp  
Students

Prepare yourself for our Web Development Boot-camp if you want to change your career but do not have any coding experience.



Receive hands-on mentorship from professional instructors via Rudder, our Just-in-Time learning support system.



Network with other tech-adjacent professionals with similar interests.

# Curriculum

**WEEK 1 & 2** Learn the main languages of the web, HTML & CSS. Our instructors will teach you how a browser understands a web page, and empower you to start building your own.

- **Web Development 101**

What does all that code on a page mean? Have the intricacies explained in a way that shows you the ropes.

- **Server vs Client**

Two sides to every coin, right? Some of the work on a webpage happens on another computer, the server, and some happens right in your browser. We teach you what happens where, and why.

- **Understanding HTTP**

HTTP is the language your browser uses to request data from the web. Learn to speak it, too!

- **HTML & CSS**

These are the primary building blocks of webpages. You'll learn how to structure your pages with HTML and make them look the way you want with CSS.

- **Chrome Dev Tools**

Learn how to edit pages on-the-fly and diagnose problems quickly by working with Chrome browser's built-in tool.

- **Cloud-based Dev Environment (Cloud9)**

Using the latest technology, you will get a development environment that you can access anywhere, on any computer.

- **GitHub**

Based on tools used by the top 40% of developers around the world, our students take advantage of this service to keep track of the development of their projects.

- **Open Source Technologies**

We offer insight into top open source platforms that are used around the world to power the web and build powerful, dynamic applications.

## WEEK 3 & 4

It's not enough to understand how your browser looks at a web page, we will teach you programming skills as well. You'll learn how the server side of building a web application works.

### ○ **Fundamentals of programming**

Learn about how a computer uses logic, syntax, and data and how you too can use them to do amazing things.

### ○ **Object-oriented Programming (OOP) with Ruby**

Utilizing the powerful and yet easy-to-learn Ruby programming language, you will learn the principles of working with data and the techniques that professional developers use to structure their applications.

### ○ **Sinatra (It's like a simpler, light-weight Rails)**

Used by thousands of sites around the world, Sinatra is a flexible, lightweight framework for building web applications. We show you how to use it to your benefit.

### ○ **Server-side routing & HTTP**

It's not enough for your browser to request a page. Know how to handle that request and do everything from logging a user in, to searching for the content they want.

### ○ **Embedded Ruby in HTML (ERB)**

Much like your mother's casserole, we show you how to mix code and content together so that you can dynamically build a website piece by piece.

### ○ **ActiveRecord**

Understand how to access data in a database through querying and validating records.

## WEEK 5 & 6

The final section of the course has you not only putting the finishing touches on your very own web application, but deploying it on the web so that friends and family can see what you have accomplished. Then, we will show you what else is out there and how to take your new skills to the next level.

### ○ **Relational Databases**

Learn how applications store data, and develop the skills to use those techniques in your application.

### ○ **ActiveRecord & SQL**

Utilizing the industry-standard libraries and languages, learn how to create, read, update, and delete data in a database.

### ○ **RubyGems & Bundler**

There are hundreds of thousands of libraries out there, and more waiting to be written. Learn how to include them in your application.

### ○ **Deploying your first Web App!**

Live, on the web, you can show people you know what you've built and have them marvel at your new skills.

### ○ **Understand what else is out there!**

Now that you've exposed the tip of the digital literacy iceberg, learn how much more you can do based on the skills you've learned. Get some tips and tricks for building your next project.

# TECH STACK HIGHLIGHTS



## Web Development 101

What does all that code mean? Have the intricacies explained in a way that informs and empowers you.



## HTTP

HTTP is the language your browser uses to request data from the web.



## GitHub

GitHub is used by the top 40% of developers around the world. You'll take advantage of GitHub to show off and track the progress of the projects you create.



## Ruby

The hottest coding language that powers popular sites like Shopify, GitHub, Basecamp and YellowPages.



## HTML & CSS

Learn to create gorgeous, responsive web pages and captivate audiences using HTML5 and CSS3.



## Sinatra Web Framework

Used by thousands of sites around the world, Sinatra is a flexible, lightweight framework for building web applications.

# MEET OUR ALUMNI

“ I would highly recommend the part-time course for those who are not 100% sure if coding is for them or convinced if a Bootcamp is worth it. ”



Intro to Web Development (Aug, 2019)



Web Development Bootcamp (Feb, 2020)

## Junior Frontend Developer

Colony Networks

**Evelyn B.**



Colony



# READY TO CODE?

Apply Now

