

Tech Stack, Github, & Syllabus

A guided tour



What is a tech stack?

A **tech stack** is a list of all the of technologies used to build a particular piece of software.

The Stack

Front End Technologies

- ❖ HTML and CSS
- ❖ Javascript
- ❖ React (Javascript library)

Back End Technologies

- ❖ Ruby
- ❖ Ruby on Rails (Ruby framework)
- ❖ PostgreSQL

What is GitHub?

Git

- ❖ Version control
- ❖ Tracks source code history
- ❖ On your local machine (i.e. your computer)
- ❖ Open-source
- ❖ Free!

GitHub


- ❖ Online platform for version control
- ❖ Collaboration
- ❖ Share your code with other developers
- ❖ Copy other developer's projects (forking)
- ❖ Hosting service
- ❖ Project management

Your GitHub Organization



github.com/learn-academy-2023-bravo?view_as=public


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2023 Bravo Cohort at LEARN
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Forked from LEARNAcademy/Syllabus
LEARN Academy syllabus

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[Get started with tasks](#) that most successful organizations complete.

Discussions
Set up discussions to engage with your community!

Syllabus Overview

- ❖ All topics covered in this class
- ❖ Code examples and vocabulary
- ❖ Challenges

☰ README.md

Syllabus

Welcome to the LEARN Syllabus!

LEARN is a 16-week, full-time program consisting of 640 practical learning hours. Students are in class Monday through Friday 9am to 5pm in the Pacific Time Zone. Each unit below represents one week of instruction. The instruction is conducted remotely but in real-time. Instructors are available to students during classroom hours listed above and after hours by appointment. The final four weeks of the program is an internship in a development role. The instructors and the career services manager support the students during internship.

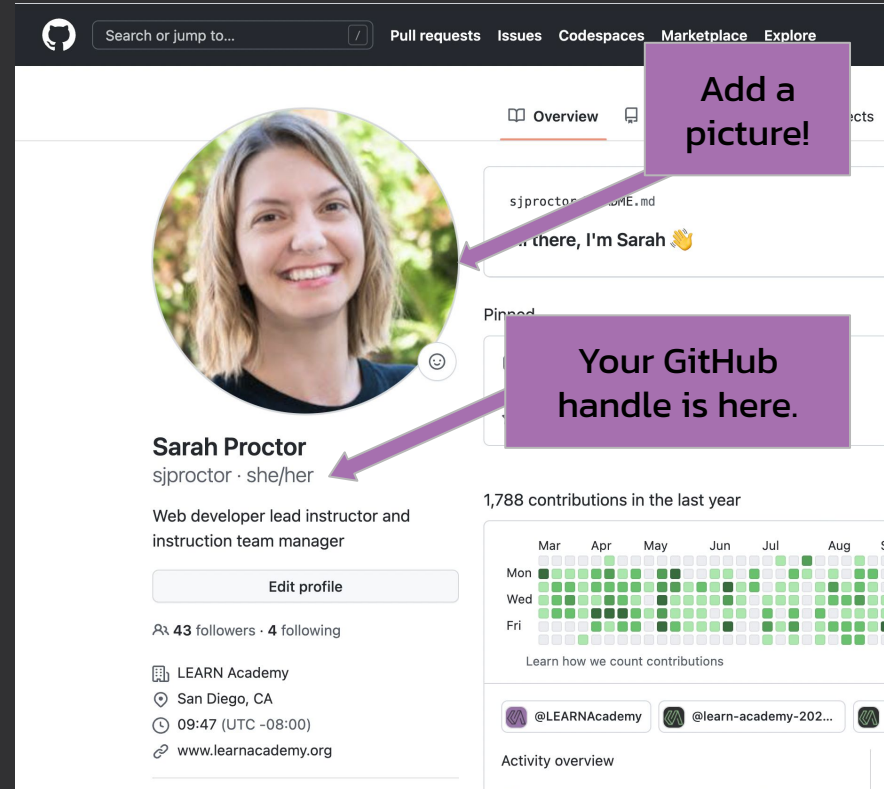
This repository is a reflection of the current status of the curriculum at LEARN Academy. Just like the technology we teach, the syllabus is ever evolving and adapting to suit the needs of the user. That's you! The instructors at LEARN Academy are continuously pushing the syllabus forward; working to give our students the best experience possible. Help us make our syllabus better by submitting a [Pull Request](#) to fix any errors, expand definitions, or further explain concepts.

Table of Contents

- Unit One: Javascript Foundations
- Unit Two: Introduction to React
- Unit Three: Intermediate React
- Unit Four: Ruby
- Unit Five: Intro to Postgres and Ruby on Rails Models
- Unit Six: Ruby on Rails
- Unit Seven: Professional Development Week
- Unit Eight: Cat Tinder! Combining React and Rails
- Unit Nine: React in Rails and Authentication
- Unit Ten: Capstone Project, MVP
- Unit Eleven: Capstone Project, Icebox

Your GitHub Profile

- ❖ Make sure your GitHub handle is professional
- ❖ Add a picture to your profile
- ❖ Personalize your account
 - Location
 - Pronouns
 - Time zone



Create a GitHub Account

- ❖ Make sure your GitHub handle is professional
- ❖ Add a professional picture to your profile
- ❖ Make sure you have your login info (email and password) available
- ❖ Your personal GitHub account will connect you to your cohort organization
- ❖ Slack your GitHub handle to your cohort channel to be added to the cohort GitHub organization!

The Stack - Reviewed

Front End Technologies

- ❖ HTML and CSS
- ❖ Javascript
- ❖ React (JavaScript library)

Version Control

- ❖ Git
- ❖ GitHub
- ❖ Syllabus

Back End Technologies

- ❖ Ruby
- ❖ Ruby on Rails (Ruby framework)
- ❖ PostgreSQL

Action Items

- ❖ Create professional GitHub account
- ❖ Slack username and accept invite
- ❖ Access to email and password