

ACTUALIZE CURRICULUM 2018



We believe that teaching people to code is much, much more than dumping students in a room and throwing articles and exercises at them, as is the style of most coding bootcamps. As educator-developers, we study the art and science of teaching people to code with a passion that borders on fanaticism.

Our educational approach does not focus on teaching our students a particular language or technology, but instead on **how to think as a software engineer**, with the ability to teach themselves any technology on their own. In fact, the majority of our graduates go on to work with other languages and frameworks than the ones we teach in class.

We also embed our unique **Job Hacking** curriculum throughout the course. We train each student the powerful personal branding and networking techniques that it takes to land a job in a new industry. Instead of teaching job-hunting skills after the course as an afterthought, we imbue the Job Hacking mindset within each student so that they're ready to hit the job market upon graduation.

PREWORK



For one month prior to class, you'll engage in our prework, in which you'll be ramping up for class by watching videos of our CEO, Jay Wengrow, teaching the fundamentals of coding.

Each video is accompanied by a series of exercises, which you'll submit via a specialized application called the Student Portal. Each exercise is reviewed by a Teaching Assistant, and you'll receive constructive feedback where necessary.

You can complete prework on your own schedule, although you should block off at least 20 hours to dedicate towards it.

The topics covered during prework include the fundamentals of:

Ruby
Object-Oriented Programming
HTML
CSS

User Management

LIVE CLASS

The live class takes place over 12 weeks. Here's what we cover week-to-week.



01

- Terminal
- Git
- Github
- Intermediate OOP
- Intro to APIs

```
:name],  
params[:start_time],  
params[:end_time]
```



- Data Structures
- Intro to Rails
- Intro to Databases
- Rails Models
- Creating APIs

02

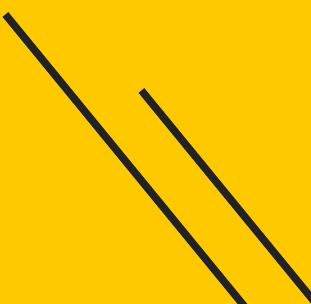
03

- Algorithm Analysis
- Validations
- SQL
- Rails ActiveRecord
- Database Associations



04

- Big O Notation
- Encryption
- Authentication
- Authorization
- Join Tables



- # 05
- Algorithm Optimization
 - Intermediate HTML
 - Intermediate CSS
 - CSS Frameworks
 - Intro to JavaScript

```
    <a href="#">
      <div class="hover-bg">
        <div class="hover-text">
          <h4>Logo Design</h4>
          <small>Branding</small>
          <div class="clearfix"></div>
        </div>
        <i class="fa fa-plus"></i>
        
      </a>
    </div>
  </div>
</div>
```

```
<div class="col-sm-6 col-md-3 col-lg-3 branding">
  <div class="portfolio-item">
    <div class="hover-bg">
      <a href="#">
        <div class="hover-text">
          <h4>Logo Design</h4>
          <small>Branding</small>
          <div class="clearfix"></div>
        </div>
      </a>
    </div>
  </div>
</div>
```

06

- JS and the DOM
- Ajax Requests
- Intro to JS Frameworks
- Intro to Vue.js



07

- Ajax with Vue.js
- Vue.js Routes
- Vue.js Extras
- Deployment to Heroku

A graphic element consisting of three thick black lines that slope upwards from left to right, forming a triangular shape against a solid yellow background.

08

- 3rd Party JS Libraries
- Modern JavaScript
- Vue.js Components
- AWS

09

- Unit Testing
- TDD
- Learning How To Learn
- Play With New Languages & Frameworks



11

- Build Individual Capstone Projects!

12



- SOA
- Microservices
- Coding on a Team
- Team Project



APPRENTICESHIP

Even after you've graduated the bootcamp, we don't just let you go - we're committed to your success!

After the Live Class, Actualize graduates have the option to join our Apprenticeship program for up to 4 months while seeking their first software engineering job. This program contains three components:

Apprenticeship: Build realistic applications in a structured team environment under the auspices of experienced software engineers

Job Hacking: We run a structured support group that offers accountability and continued advice and support for the Job Hacking process.

Interview Prep: Prepare for interviews by working with your fellow apprentices on real coding interview problems.

Apprentices and their Tech Leads meet Mondays and Thursdays from 6pm - 9pm.

BE THE NEW YOU



For more info, visit our website: actualize.co or reach out via email: hello@actualize.co