Educators first.
Developers second.

CURRICULUM

Anyone Can Learn To Code is a part-time immersive coding bootcamp and apprenticeship program with cohorts in Chicago, New York City, and San Francisco. Ours is the only bootcamp whose Lead Instructors have both professional teaching experience and professional web development experience - this, plus our small class sizes and carefully crafted curriculum, are what enable us to teach more material in less time than traditional bootcamps. Here's what we teach week-by-week!

Weeks 1 - 3: At-Home Prework

Weeks 1 & 2
Ruby: Core Concepts of Programming

Week 3
Ruby: Intro to Object Oriented Programming
Intro to HTML
Intro to CSS

Weeks 4 - 15: In-Class Bootcamp

Week 4
General Introduction
Command Prompt
Version Control with Git
Code Storage and Collaboration with Github
Intermediate Object Oriented Programming
Intermediate HTML
Intermediate CSS

Week 5
How the Web Works
The Web Request/Web Response Lifecycle
Intro to the Rails Web Framework
MVC: Views and Controllers
Intro to Databases

Week 6
Generating Custom Web Requests
REST
MVC: Models
Database Migrations
Understanding Relational Databases
SQL
PostgreSQL
ActiveRecord: Using an ORM
Database Associations: One to Many

Week 7

Authentication
Boolean Logic
Encryption
Database Associations: Many to Many

Week 8

Authorization
Validations
Cookies
Unit Testing
Test Driven Development

Week 9

Intro to APIs
Building APIs
Service Oriented Architecture (Microservices)
Consuming APIs
Versioning APIs
Namespacing APIs
Securing APIs

Week 10

Programming Robots with JavaScript
Intro to JavaScript and Client Side
Development
JavaScript and the DOM
Intermediate JavaScript

Week 11

Intro to the AngularJS Web Framework
Ajax Requests
The Big Picture: AngularJS with Rails

Week 12

Exploring JavaScript Libraries
Building a Ruby Gem

Week 13

Deploying a Web Application
Team Project

Weeks 14 & 15

Capstone Projects

Capstone & Showcase

Capstone projects are individual web applications built from scratch by each ACLTC student. These apps leverage a variety of technologies, languages, and APIs, which you'll learn how to use throughout bootcamp.
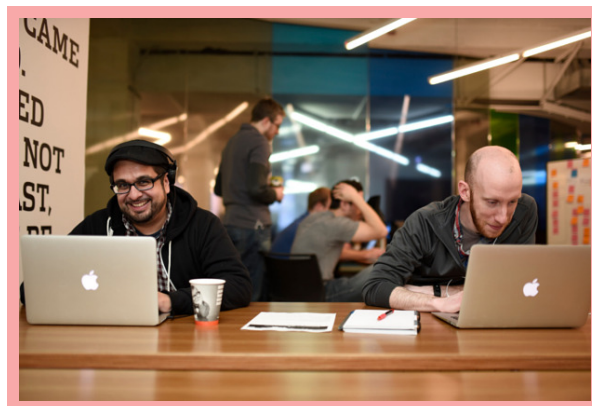
The Showcase is an open-house style event at the conclusion of bootcamp where our graduates show off the web development skills they've learned over the course of 15 weeks. Throughout the event, each developer presents her or his individual Capstone project to friends, family, hiring managers, recruiters, and guests as they stop by each station.

Check out some examples of our developers' Capstone projects at
www.anyonecanlearntocode.com/capstones

Weeks 16+: **Apprenticeship**

After bootcamp, you'll have the opportunity to apprentice part-time with ACLTC's web agency, The Difference Engine (thedifferenceengine.io), for up to four months. You'll gain real-world experience building web apps for actual clients, work in teams to plan and execute each development sprint, and implement client feedback, all under the supervision of our agency's more experienced developers.

Here's how it works: after the Showcase, you'll get a week off, then begin up to 17 weeks of apprenticeship. We keep it flexible - at first you'll commit to six weeks; when those are up, you'll decide on another four, then another four, and then the final three weeks. Each week's commitment is 20 hours: 15 to be spent on client work, five on our Interview Prep & Job Placement curriculum. You'll work in-person with your team for six hours per week, remotely for the remainder.

Here's what you can expect from your apprenticeship with The Difference Engine:

Job-Prep Curriculum

- Step-by-step guide for graduates to follow in order to land interviews

- Lessons on how to succeed in the soft-skills portion of interviews

- Lessons on how to succeed in the technical portion of interviews, coding challenges, etc., including an introduction to computer science

Apprenticeship Benefits

- Gain real-world experience & build an impressive portfolio

- Get closer to a job the further you are from bootcamp graduation

- Work on skills you can't get in a classroom

- Pair program with more experienced developers

- Prove to YOURSELF that you're a developer!