



# Master Course Packet

Onsite, Online Bootcamp  
3 Full Stack Curriculum

**4500+**

grads to date

**\$60k - \$125k**

avg alumni salary\*

Over 4,500 alumni, hired by tech companies worldwide

Google

amazon



UBER

LinkedIn

\*As of Feb 2018 alumni data

# Onsite Bootcamp

Your career as a software developer starts on your first day in class.

Within 14 weeks we'll turn you into a self-sufficient, versatile developer who has all the critical skills to have a long, healthy career in tech.



## Learn by Doing

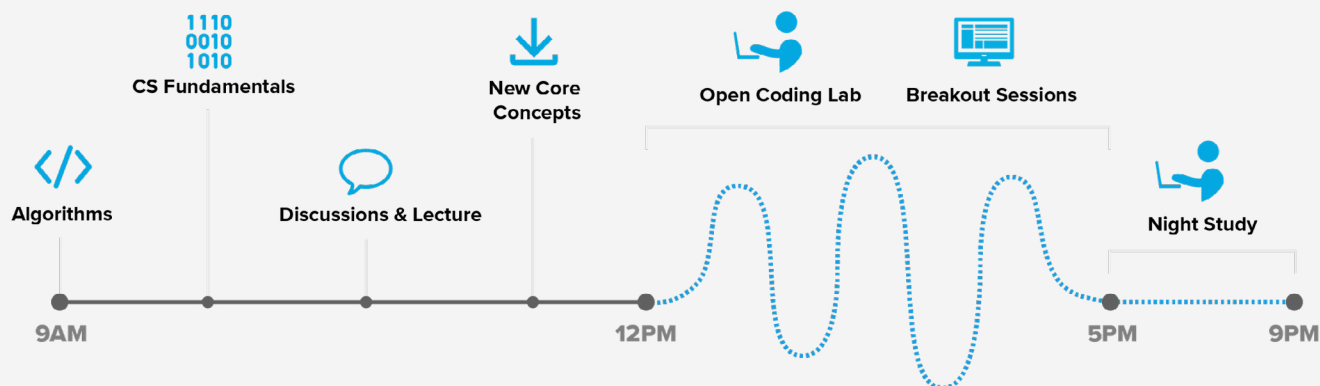
You'll start coding from day one on campus. Dive into a fast, project-based learning environment that fosters collaboration, not competition.



## Anyone Can Learn to Code

Anyone can learn to code, but the path to becoming a developer isn't easy. The most successful students dedicate at least 70-90 hours/week to the bootcamp.

## A Typical Day at the Dojo



Activities subject to change based on campus and curriculum

# 3 Full Stack Curriculum

We're here to maximize your career opportunities and coding mastery. You'll learn 3 full stacks, have a portfolio to show, and 3x the job prospects.

## Awards & Recognition



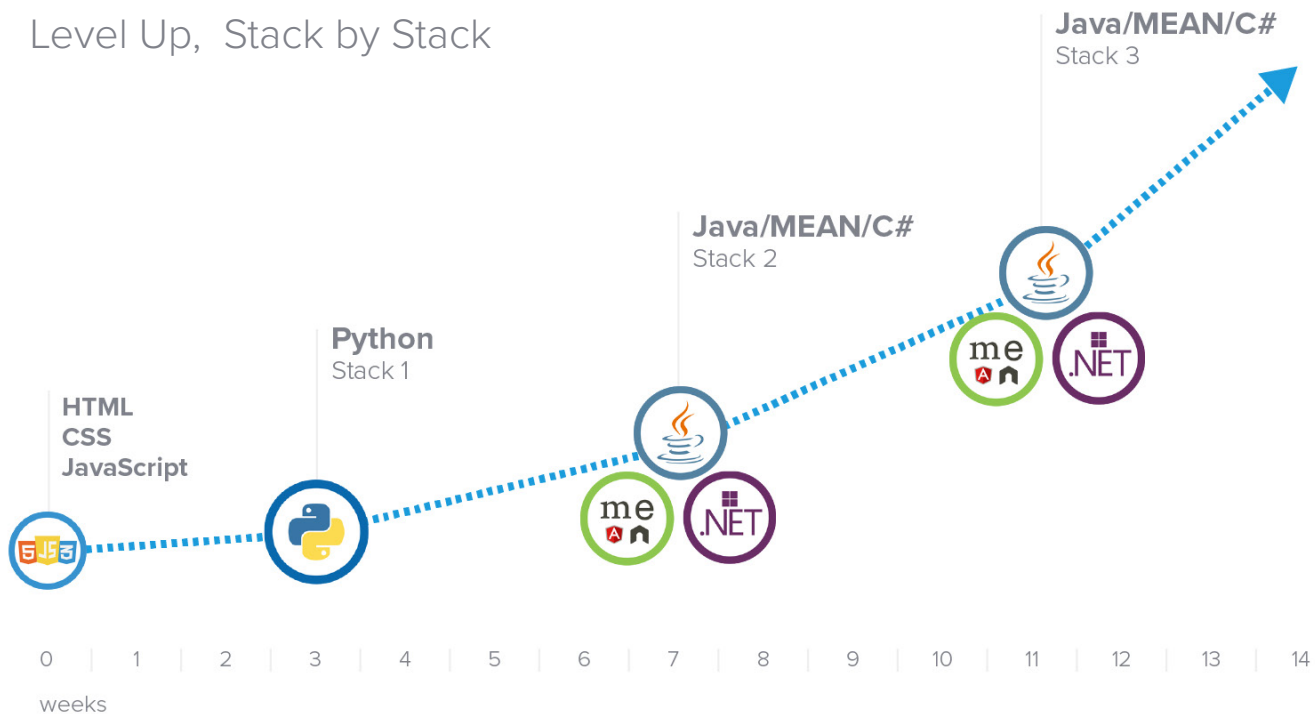
Innovation  
Challenge  
**Winner**



Microsoft  
Virtual  
Academy

★★★★★  
COURSE RATING

## Level Up, Stack by Stack



### Web Fund.

Terminal  
Git/GitHub  
HTML5  
CSS3  
Javascript  
jQuery



### Python

Python 3  
OOP  
Flask  
Django  
MySQL  
Ajax



### C#.NET

C#  
ASP.NET Core 2  
LINQ  
Dapper  
Entity Framework  
Identity



### MEAN

Javascript ES6  
MongoDb  
Express.js  
Angular  
Node.js  
Socket.io



### JAVA

Java 8  
MySQL  
JSPs  
Spring Data JPA  
Spring Boot  
Spring Security

# Online Full-Time

No matter where you are in the world, your career as a software developer starts on your first day.

Within 14 weeks we'll turn you into a self-sufficient, versatile developer who has all the critical skills to have a long, healthy career in tech.



## Hands-on, Structured Teaching

Dive into an immersive online learning environment filled with live mentorship, instruction, and collaboration with real instructors and classmates.

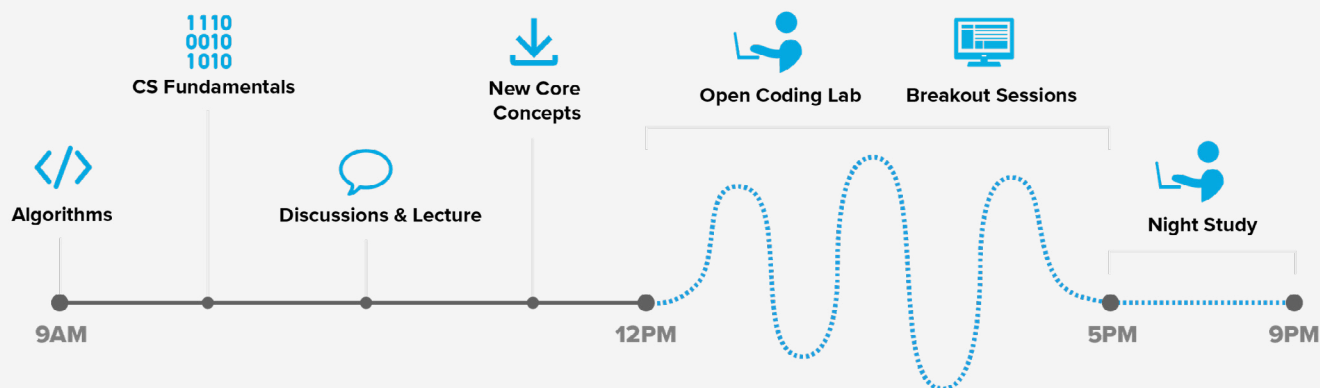
All from the comfort of your own home.



## Anyone Can Learn to Code

Anyone can learn to code, but the path to becoming a developer isn't easy. The most successful students dedicate at least 70-90 hours/week to the bootcamp.

## A Typical Day in the Online Bootcamp



Activities subject to change based on campus and curriculum

# 3 Full Stacks Online

We're here to maximize your career opportunities and coding mastery. You'll learn 3 full stacks, have a portfolio to show, and 3x the job prospects.

## Awards & Recognition



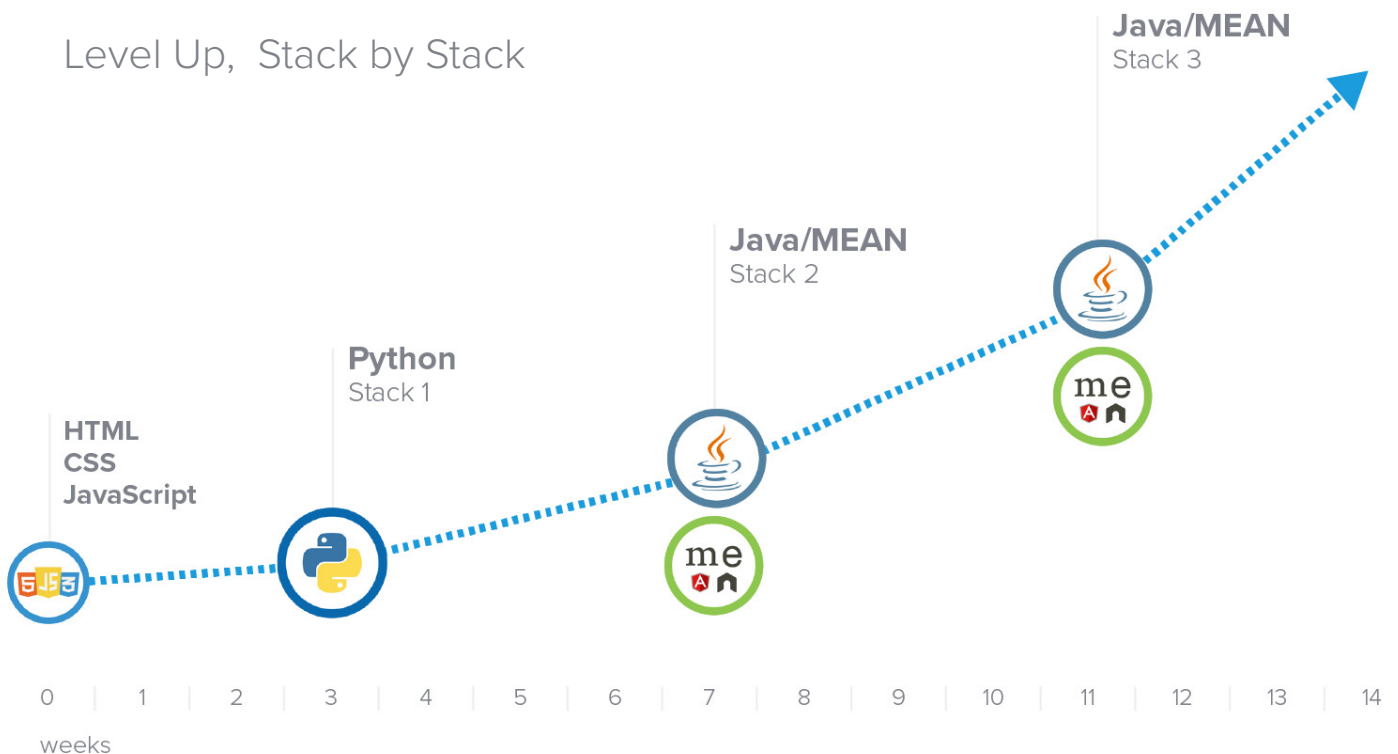
Innovation  
Challenge  
**Winner**



Microsoft  
Virtual  
Academy

★★★★★  
COURSE RATING

## Level Up, Stack by Stack



### Web Fund.

Terminal  
Git/GitHub  
HTML5  
CSS3  
Javascript  
jQuery



### Python

Python 3  
OOP  
Flask  
Django  
MySQL  
Ajax



### MEAN

Javascript ES6  
MongoDb  
Express.js  
Angular  
Node.js  
Socket.io



### JAVA

Java 8  
MySQL  
JSPs  
Spring Data JPA  
Spring Boot  
Spring Security

# Online Part-Time

In 16 weeks, you can transition to a career in development without quitting your day job.

This program is a flexible alternative that provides full, online access to our Python curriculum -- complete with live support and collaboration with instructors and classmates.



## Hands-on, Structured Teaching

Dive into an immersive online learning environment filled with live mentorship, instruction, and collaboration with real instructors and classmates.

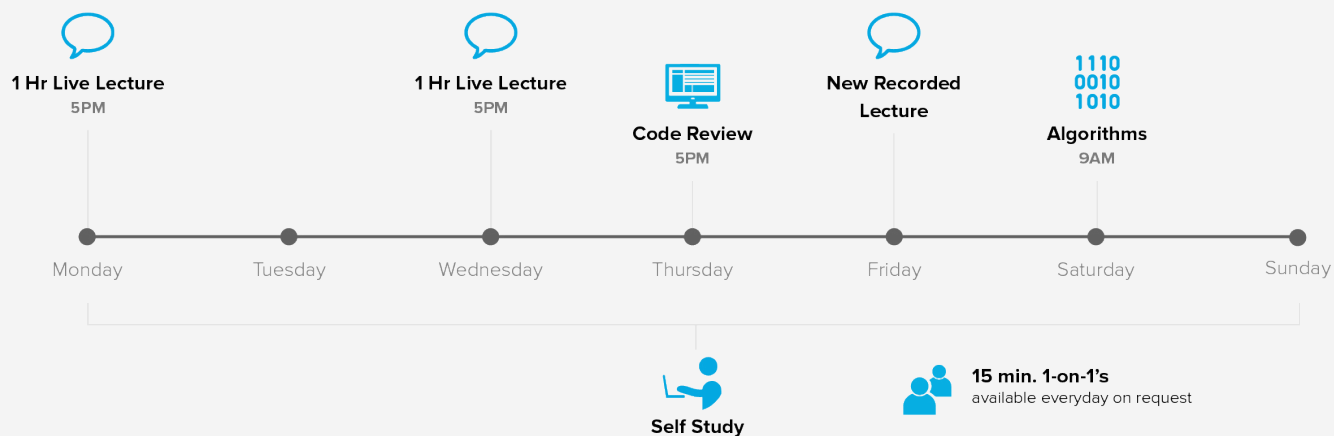
All from the comfort of your own home.



## Anyone Can Learn to Code

Anyone can learn to code, but the path to becoming a developer isn't easy. Students are required to dedicate at least 20-25 hours/week to the part-time bootcamp.

## A Typical Week in the PT Bootcamp



Activities subject to change based on campus and curriculum

# Full Stack Python

We're here to maximize your career opportunities and coding mastery in Python. Enter the world of full stack Python development and have a portfolio to show.

## Awards & Recognition



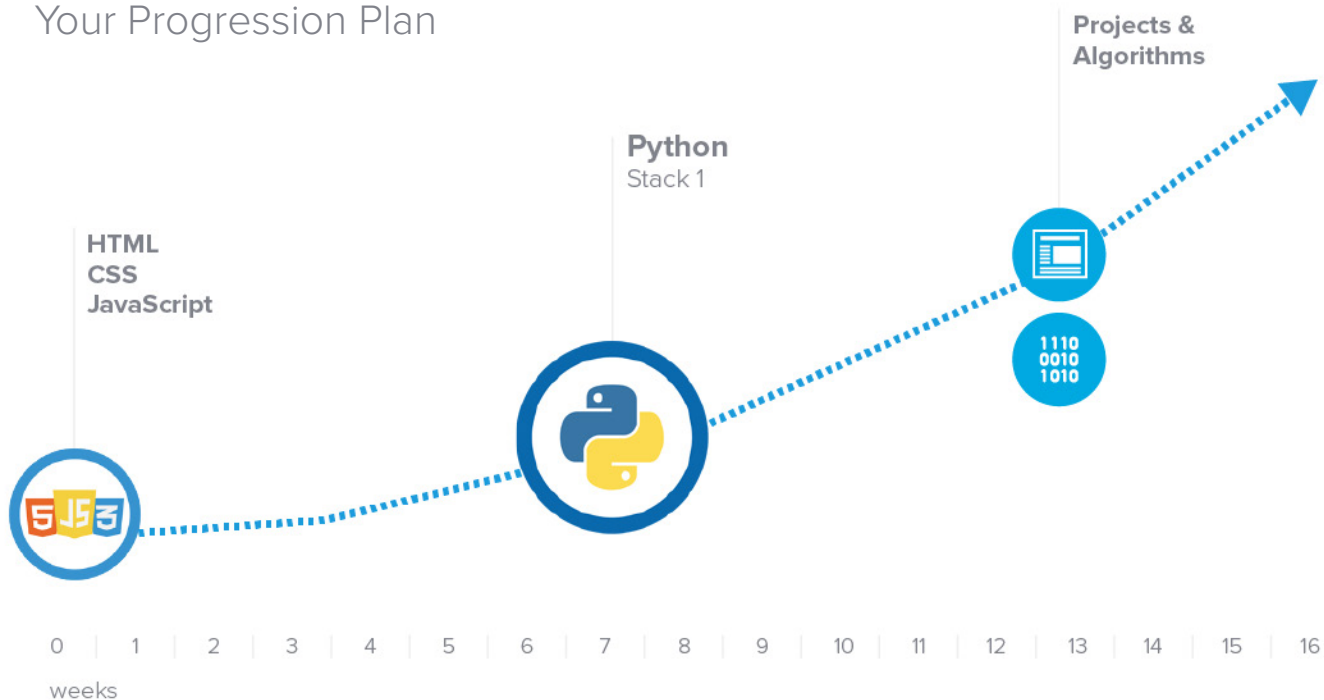
Innovation  
Challenge  
**Winner**



Microsoft  
Virtual  
Academy

★★★★★  
COURSE RATING

## Your Progression Plan



### Web Fund.

Terminal  
Git/GitHub  
HTML5

CSS3  
Javascript  
jQuery



### Python

Python 3  
OOP  
Flask

Django  
MySQL  
Ajax





# Web Fundamentals

Front-End Development & The Web

## HTML

### Intro to HTML

- Basic Nesting Practices, Indentation
- The Head & Body
- Body Tags (lists, tables, etc.)
- Building Forms & Declaring Input Values
- Containers, Elements, Attributes, & Classes

## CSS

### Intro to CSS

- CSS Selectors & Declarations
- Inspecting Element
- Inline, Block, Float, and Positioning
- Div Layout & Formatting
- Styling Text & How Fonts Work
- Using Properties & Backgrounds
- Replicating Complete User Interfaces

### Intro to CSS3 & More Styling\*

- Building Shapes
- Constructing Complex Tables
- Intro to Bootstrap
- CSS Preprocessors, LESS, & SASS

## Git / Github

### Git & Version Control

- Using Terminal Commands
- How to Create & Utilize a Repository
- Making, Tracking, & Reverting Changes
- Git Workflow Overview & States\*
- Advanced Git Commands & Concepts\*
- Branching, Merging, & Conflicts\*

### Github

- How to Use a Github Repository
- Forking, Cloning, & Pulling\*
- Github Collaboration & Workflow\*

## jQuery

### Intro to jQuery

- jQuery Functions & Debugging
- Parameters & Getters/Setters
- Essentials of the jQuery Library

### Advanced jQuery

- Implementing Dynamic Content
- Callbacks in jQuery
- Traversing DOM Elements
- Forms in jQuery
- jQuery UI Library & More Libraries\*

## Responsive Web Design\*

### Intro to Responsive Web Design (RWD)

- Breakpoints, Units, & Media Queries
- Basics to Typesetting & Scaling
- Cross-device RWD
- Grid System, Fluid Grids, & Adaptive Layouts

### CSS Frameworks

- Responsive Typography
- Using CSS Reset & Boilerpoint

## Wireframing\*

- Balsamic Overview
- Wireframing Fundamentals





# Python

## Full Stack Development

### MySQL

#### Intro to MySQL

- Database Design & Relationships
- Entity Relationship Diagrams (ERD)
- Database Normalization
- MySQL Workbench & Querying
- Conventions & Common Data Types
- How to Use ERDs
- Using a Database with Your UI
- Recreating ERDs\*

### Python

#### Intro to Python

- Variables, Data Types & Best Practices
- Using Strings & Built-in String Functions
- List Creation & Manipulation
- Using Tuples & Built-in Tuple Functions
- How to Use Dictionaries in Python
- Conditionals, Operators, & Nested Loops
- Constructing Functions in Python

### Python OOP

#### Intro to Object Oriented Programming

- Creating Objects & Classes
- Adding Properties/Attributes to Classes
- Constructing & Adding Methods to Classes
- Chaining Methods & Using Magic Methods
- How to Use Modules & Packages in Python
- Creating Multiple Objects
- Updating Methods with 'Super'

#### Python Test Driven Development (TDD)

- Unit Testing in Python & Outcomes
- How to Use Assertions Using
- TDD Methods: setUp & tearDown

#### Advanced Python

- How to Use Multiple Arguments
- Ternary Operators in Python
- Using Lambda
- Overriding Inheritance & Polymorphism
- Using Composition Over Inheritance

### Flask

#### Intro to Flask

- Routing in Flask Applications
- Building & Using Forms
- Rendering Templates & Views
- Delivering Static Content
- The Different HTTP Methods
- Implementing Cookies & Sessions
- Hidden Inputs & Form Validation

#### Flask w/ SQL

- Import, Export, & Connect Your Database
- Connecting & Running Python Across Files
- Database Communication & Validation
- Encryption & Data Security Basics

### Pylot MVC

#### Intro to Pylot Model View Controller (MVC)

- Views, Session Classes & Session Data
- How to Use Models with Controllers
- Data Validation with Pylot
- Using Bcrypt with Pylot MVC
- How to Use Multiple Controllers & Models

### Deployment

- Amazon Web Services (EC2)
- Linux
- PostgreSQL



# Java

Full Stack Development

## Java Fundamentals

### Intro to Java

- Java Development Kit Installation
- Executing Java Programs
- Variables, Data Types, & Type Casting
- Control Structures & Exceptions

## Java OOP

### Intro to Object Oriented Programming

- Creating Objects & Classes
- Methods, Member Variables & Constructors
- Overloading & *this*
- Inheritance & Packages

### Advanced Java OOP

- Use of Static
- Interfaces & Abstract Classes
- Annotations
- Java Beans

### Data Structures\*

- Doubly Linked Lists
- Tries

## Java Web Development

### Java on the Web

- Servlets & Web Containers
- Query Parameters
- Java Servlet Pages
- Light MVC Patterns
- Session & POST Patterns

## Java Spring

### Spring Fundamentals

- Spring Overview
- Spring Tool Suite
- Intro to Spring Boot
- Spring MVC Apps

### Spring Data I & II

- MySQL Connections
- Repositories & Spring Data - JPA
- Persistent Model Annotations
- Relationships
- Advanced Queries

### Spring Security

- Spring Security Overview
- Authentication & Authorization
- Servlet API Integration
- Spring MVC Integration

## Deployment

- Amazon Web Services (EC2)
- Linux
- PostgreSQL



# MEAN

Full Stack Development

## JavaScript

### Fundamentals

- Declaring & Referencing Variables
- Variable Hoisting in JavaScript
- Conditionals, Operators, & Nested Loops
- Using Arrays & Loops in JavaScript
- Objects, Functions, & Function Scoping
- Variable Hoisting with Scoping
- Return Statements in JavaScript
- Function Hoisting

### JavaScript OOP

- How to Use Object Constructors
- Common Constructors: 'This' & 'New'
- Private Methods & Variables
- Creating Prototype Objects in JavaScript
- Best Practices for JavaScript OOP

### Advanced JavaScript

- How to Use Callbacks
- Delegating Functionality & Event Handling

## Node.JS

### Intro to Node

- How to Use Package Managers (NPM/Bower)
- File System Module & HTTP
- Making a Full Web Server
- How to Work with Node Modules
- Common & Useful Node Modules

### Modularization

- Using Require & Module.exports
- How to Modularize Existing Projects

## Express.JS

- Render Templates With Express View Engines
- HTTP Methods: Forms, Data Transfers, & Routing

## Socket.io

- Applications with Real-time Communication

## MongoDB

### MongoDB & Mongoose

- MongoDB Overview, CRUD Ops
- Intro to Mongoose
- Dependencies in Mongoose
- Mongoose Communication with MongoDB
- Mongoose Methods
- Data Validation with Mongoose
- Create Associations Between Mongo Objects
- RESTful Routing with Mongoose & Express

## Angular.JS

- Dependencies for Angular
- Directives, Data Binding, & Compiling
- Using Modules in Angular
- Controllers, \$scope, & 'this'
- How to Create Factories
- Using Data Filters in Angular
- Ajax Requests Using Angular

## Deployment

- Amazon Web Services (EC2)
- Linux
- Production Environments
- Heroku



# C# .NET

Full Stack Development

## C# Fundamentals

### Intro to C#

- .NET Core Console Applications
- Variables, Types, Type Casting, & Functions
- Control Structures
- Debugging .NET Core Applications (VS Code)

## C# OOP

### Intro to Object Oriented Programming

- Classes & Objects
- Access Modifiers
- Inheritance & Polymorphism
- Encapsulation with Properties

### Advanced C# OOP

- Interfaces
- Abstract Classes
- Generics

### Data Structures

- Singly Linked Lists
- Doubly Linked Lists
- Tries

## ASP.NET Core

- Dependency Injection with ASP Services
- MVC Architecture
- Razor View Engine
- View Modeling
- Extension Methods
- Custom User Authentication/Authorization

## Object Relational Mapping (ORM)

### Working with ORMs

- LINQ
- Dapper
- Entity Framework Core

## Identity Framework Core

- User Authentication/Authorization
- Identity Roles
- Third Party OAuth

## Deployment

- Amazon Web Services (EC2)
- Linux
- Production Environments
- Hosting with Nginx/Supervisor

## How to Enroll

The goal of admissions is to make sure you're ready for the challenges of the program, and that Coding Dojo is the right fit for you.

We look for motivation, how well you work with others, and perseverance.

- 1 Submit Application
- 2 Schedule Interview
- 3 Admissions Decision
- 4 Deposit to Enroll

## Financing



### Standard

2 Payments  
50% of tuition due week 1  
50% of tuition due midway



### Monthly Plan

As low as \$250/month  
30/60 month terms available

Financing provided by:

**SKILLS**fund

Top Resources

**Visit Our Campus**

[Link >>](#)

**Start Application**

[Link >>](#)

**See Start Dates**

[Link >>](#)