When you get stuck: Google!!!

**PHASE 1**

**Start your coding adventure**

if you get stuck at all with html, css, js I recommend [Codecademy](https://www.codecademy.com/learn/introduction-to-javascript)

*Welcome to the dev shop!*

1. -

*Learn your tools: Repl.it*

1. REPL is a useful IDE is the cloud.

*Your First Assignment*



*Data Types*



*Manipulate text*



*Control flow*



*Collecting data with arrays*

*Iterating through collections*



*Objects*



*Accumulator pattern*



**Reusing code with Functions**

*Familiar functions*



*Write your own functions*



*Parameters and arguments*



*Returning values from functions*



*Functions and loops*



*Breaking down problems with functions*



*Scenario - Inventory Help*



*Scenario - Campground Reservation App*



**Pass your JavaScript interview**

*Schedule your interview*



*Overview of the JavaScript evaluation*



*JavaScript take-home and live interview advice*



*Take-home problem sets*

**HTML/CSS fundamentals**

*Intro to HTML and CSS*



*HTML basics*



*CSS basics*



*Web page template*



*Links and paths*



*More web elements*



*HTML containers*



*Github*



*Deeper with CSS*



*Build your portfolio web page*



**Frontend foundations**

*Responsive Layouts*

*Starting your portfolio*



*Deeper with Flexbox*

*Navigation*



*HTML Forms*

*Completing your portfolio*



**Setting up your dev environment**

*Introduction*



*Command Line Basics*



*VSCode and Basic Project Structure*



*Setting up Git*



*Basic Git commands*



*Working with branches*



*Working with GitHub*



*Deploying to Github Pages*



**Interactive web apps**

*Introduction*



*DOM traversal and manipulation*



*Event listeners*



*Shopping list: From idea to user stories to pseudocode*



*Shopping list: Render the list*



*Shopping list: check/uncheck and delete items*



*Quiz app requirements*



*Wireframe your quiz app*



*Implement your quiz app*



**Asynchronous web apps**

*Introduction*



*How web apps work*



*Inspecting request and response messages with Postman*



*Reading API documentation*



*Simple GET requests*



*Requests with Auth Headers, Query Parameters, and Error Handling*



*GET requests with complex data*



**API hack capstone**

*API Hack requirements*



*Drafting a project proposal*



*User stories*



*User flows and wireframes*



*Implement your MVP*



*User feedback and iteration*



*Style your app*



*Finalize your capstone*

**Hold your mock interview on web apps**

*Schedule your interview*



*Mock interview instructions*



*Practice interview*



**Professional networking**

*Getting started*



*Crafting your narrative*



*Attending a Meetup*



*Cold outreach*



*Conduction*



**PHASE 2**

**Client-side programming with React**

*Introduction*



*Hello, world!*



*NPM Setup*



*Clean Start - A React Playground*



*JSX Crash Course*



*Component Composition*



*Default Props and Class Components*



*Intro to Testing*



*Setting, Reading, and Updating State*



*Event Handlers and Conditional Rendering*



*Callback Props*



*Thinking in React*



*API Requests*



*React Router*



*Creating and Reading Context*



*Updating Context*



*Organizing Your React Code*



*Deploying to Production*



*Accessibility in React Apps*

**Hold your mock interview on React**

*Schedule your interview*



*Mock interview instructions*



*Practice interview*



**Professional branding**

*Resume*



*LinkedIn*



*Cover letters*

**Server-side programming with Node and Postgres**

*Introduction*



*Getting started with Node*



*Web APIs with Express*



*Working with the Express response object*



*Integration Testing*



*Working with datasets*



*Deploy a server*



*Project boilerplate*



*POST and DELETE requests*



*Organizing your server*

*Introduction to Databases*

*Introduction to SQL*



*Databases with Node*



*Building services*



*Databases with Express*

*POST and DELETE with PostgreSQL*



*RESTful APIs*



*Relationships and schema design*



*Add relationships to Blogful*



*Deploying a database*

**Complete your first fullstack capstone**

*Capstone requirements*



*User stories*



*Tracking stories and issues*



*Wireframing your app*



*Build your static client*



*Implement your MVP*



*Feedback and iteration*



*Style your app*



*Finalize your capstone*



**Hold your mock interview on Node & Postgres**

*Schedule your interview*



*Mock interview instructions*



*Practice interview*



**Job search**

*Analyzing job postings*



*Applying for jobs*



*Interviewing overview*



*Soft launching your job search*

*Weekly update - evaluation the search*



**Data structures & algorithms**

*Introduction*



*Recursive algorithms*



*Big O notation*



*Working with arrays*



*Working with linked lists*



*Working with stacks and queues*



*Working with hash maps*



*Working with binary search trees*



*Search algorithms*



*Sorting algorithms*

**Complete your second fullstack capstone**

*Capstone requirements*



*User stories*



*Wireframing your app*



*Build your static client*



*Implement your MVP*



*Feedback and iteration*



*Style your app*



*Finalize your capstone*



**Submit your Portfolio for Final Review**

*Finalize your portfolio*



**Hold your final mock interview**

*Schedule your interview*



*Mock interview instructions*



*Preparing for your interview*



*Practice interview*



**Graduate!**

*Congrats, grad!*

**EXTRA RESOURCE**

**Authentication with JWT**

*Introduction*



*Learning a new codebase*



*Protected endpoints*



*Data protection*



*Secure login*



*User registration*



*Expiry time*