Course Overview:

Our course is designed to launch your career in web development. You will understand and have experience working on teams to build practical applications for the web. The practice of programming is a changing and emerging discipline that requires constant learning, and you will use the best of these learning tools in learning current technologies and frameworks. As a web developer, you will learn the following:
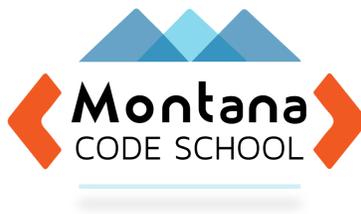
- Best practices and design patterns from computer science
- Creation and maintenance of dev environments and workflows
- Web architecture including RESTful API's and HTTP
- Core web browser tech (HTML, CSS, JavaScript)
- Building dynamic web apps with front end development frameworks
- Developing web apps on MVC web frameworks and relational databases
- Use of third party API's and data sources
- Automated and exploratory testing and test frameworks
- DevOps and deployment technologies
- Collaboration with others through source control (GIT & GitHub)
- Agile practices such as Scrum, Test Driven Development, Pair Programming, ...
- Networking with and learning from active web developers in our community
- Real world job preparations (including interview practice)

Why JavaScript? In the world of technology things evolve rapidly. Currently JavaScript is the pioneer of web development, making it our language of choice. Advantages of JavaScript include:

- JavaScript runs in every browser
- JavaScript is a powerful dynamic language with fundamental architecture to support all elements you need as a developer
- JavaScript is asynchronous, meaning you can use it on both the front and back of your application.
- The large community of active users continues to grow powerful libraries and frameworks available for use.
- The JavaScript language itself continues to grow and evolve to support the needs of the web.

The more prepared you are for the course, the more you will take from the experience. It is your responsibility to spend as much time as possible learning the very fundamentals of web development before day one of the class. The best developers are hungry for knowledge. Start your learning today by signing up for CodeSchool.com and explore as many classes as possible. Recommended Topics:

- HTML
- CSS
- JavaScript & jQuery

When you are finished with the course you will have the confidence to land a job as a jr. web developer. You will be comfortable with some of the most popular trending Full Stack Web Development Technologies, and give you the ability to create your own applications, or to confidently contribute to a project. We have created a unique learning environment where you will feel more like you are working at a startup, rather than sitting in a class room. By the time you reach the finish line you will have a polished professional portfolio complete with the skills you need to learn and thrive in the constantly changing world of web development.

Core Topics:

Front End Development:
You will learn the most popular tools and technologies behind some of the world's greatest web applications. These technologies include HTML5, CSS3, SaSS, jQuery JavaScript, and frameworks like Facebook's' React.

Server Side Development:
We will teach you the basics of data modeling and you will build a server. We will explore current and popular database frameworks such as NoSQL and MySQL. You will also learn the popular JS frameworks such as Node JS.

Full-Stack Development:
This is where you will become truly valuable to an employer. We will teach you how to put it all the pieces of the puzzle together. You will build your own full stack production ready web application.

Additional Topics:
Aside from the main topics we will teach you how to be a developer. This means that throughout the course you will be constantly tested. You will participate in real world activities such as pair programming, code reviews, and sprint planning. By the time the course is complete you will be fully prepped for your first interview as a Jr. Web Dev.

Throughout:
You will be continuously learning how to be a developer. You will sharpen your communication skills and and lead workshops on what you have learned. You will have the ability to learn any programming language of your choice.