THE SKILLS YOU'LL GAIN

You will graduate with full stack web development skills*, including:

Computer Science applied to JavaScript

- Data Structures
- Algorithms

Browser Based Technologies

- HTML
- CSS
- JavaScript
- jQuery
- Responsive Design
- Bootstrap
- Handlebars
- Cookies, Local Storage
- React.js

Deployment

- Heroku
- Git
- Github Pages

Java

Databases

- MySQL
- MongoDB

Node.js (Server Side Development)

- Express
- Security and Session Storage
- User Authentication
- MERN Stack
  (MongoDB, Express.js, React.js, Node.js)

Quality Assurance

- Writing Tests

*The material covered in this course is subject to change due to market demand.

COURSE CURRICULUM BY MODULE

Module	Description	What You'll Learn
Module 1: Mastering The Browser (Weeks 1-5)	When most people think of the "Internet," their mind immediately conjures up their web browser. We dive into detail about how the browser works and what exactly the source code comprising a web page does.	» Creating a web page from scratch » Mastering terminal commands » JavaScript and it's most beloved child, jQuery
Module 2: API and JSON (Weeks 6-9)	The advent of the API has rapidly propelled the pace of innovation in technology. Being able to communicate with other systems enables you to do even more with yours.	» Consuming RESTful APIs » Parsing JSON to extract meaningful data » Using AJAX to update data on a website without having to hit that "refresh" button in the browser
Module 3: Server Side (Weeks 10-19)	Have you ever wondered how websites originate? They typically come from computer programs called "servers," but did you know that servers do so much more? Interacting with databases and even...other servers! Learn how to write server-side JavaScript code with Node.js.	» Writing Node.js server code to serve static web pages » Querying large amounts of data and answering questions from a MySQL Database » Understanding and using Joins, Wheres, and Counts strategically
Module 4: Java (Weeks 20-21)	Java is a mature programming language trusted across the software industry to build safe, scalable, and robust applications	» Create scalable web apps, APIs, and Services » Take a deep dive into core Java and Object-Oriented Programming » Build a foundation in common build tools for Java projects, such as Maven
Module 5: Computer Science Fundamentals (Weeks 22-23)	Computer science fundamentals are essential to web development so our curriculum includes a deep dive into the basics of coding and algorithms.	» Computer Science applied to JavaScript » Data Structures » Algorithms
Module 6: Final Project (Week 22-24)	Throughout the course, you've developed an impressive portfolio of projects to show future employers. This final project is all yours. Use all of the technologies you've learned and make something distinctly your own.	» Dreaming up something fantastic and understanding the bounds of reasonable and achievable