KU Coding Boot Camp

Full Stack Flex Program

Curriculum Overview

Computer Science applied to JavaScript

- Algorithms (Searches, Sorts)
- Efficiency
- Time Complexity
- Big O Notation
- Data Structures

Browser Based Technologies

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

Deployment/Command-Line Fundamentals

- Heroku
- Git
- Github Pages

API Interaction

- API
- JSON
- AJAX

Databases

- MySQL
- MongoDB

Server Side Development

- Node.js
- Express
- User Authentication
- Progressive Web Applications (PWAs)
- MERN Stack (MongoDB, Express.js, React.js, Node.js)

Quality Assurance

- Unit Testing
- Functional Testing
- Linting
- Continuous Integration

Supplemental Self-Study Topics

In addition to learning these critical skills, you will have access to online learning that builds foundational knowledge on in-demand languages:

- Python
- Java
- Amazon Web Services
- C#