

# CARLO JACOB

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## + WEB DEVELOPMENT EXPERIENCE

### General Assembly

#### Web Developer in Training

Boston, Mass.

2018 to Present

- Completed 12-week full-time immersive full-stack web development bootcamp.
- Studied web development in four modules, each with its own project.
- Each project focused on various skills in front- and back-end web development.
- Completed three projects individually, and one in a development team.

#### PROJECTS:

##### Nozama

Feb. 2019

- Scrum master of development team for mock e-commerce website.
- Used agile techniques to manage feature building.
- Used test mode from third-party API for processing mock payments.

##### Bike Ridr

Feb. 2019

- Developed the full stack for this web application, with CRUD to an API for user authentication and bike ride history.
- Application allows cyclists to enter and manipulate data from completed bike rides.
- Used Ruby on Rails to scaffold database tables, including resource relationships.
- Used HTML, CSS, JavaScript, jQuery and AJAX to create the user interface, application logic, and API interactions.

##### Tic-Tac-Toe

Jan. 2019

- Wrote the front-end for a Tic-Tac-Toe web application, with CRUD to an API for user authentication and game history.
- Used HTML, CSS, JavaScript, jQuery and AJAX to create the user interface, game logic, and API interactions.

## + ADDITIONAL EXPERIENCE

### TranSystems Corporation

#### Structural Bridge Design Engineer

Boston, Mass.

2011 to 2018

- Optimized designs of irregularly-shaped bridges and increased efficiency of analyses with custom functions in Excel/bridge design software packages.
- Produced bridge construction plans, specifications, cost estimates and calculations in a design team.
- Project values ranged from \$30,000 to \$40,000,000.
- Provided construction phase services to contractors and material fabricators.

## + SKILLS

#### LANGUAGES & VERSION CONTROL

AJAX  
CSS3  
Curl  
Git  
Github  
HTML5  
JavaScript  
Ruby  
Heroku  
SQL

#### LIBRARIES & FRAMEWORKS

Rails  
Express.js  
Node.js  
jQuery  
React  
Handlebars  
SASS  
mongoose  
Mongoose  
Bootstrap  
PostgreSQL

## + EDUCATION

### Tufts University

M.S. Civil Engineering 2010

B.S. Civil Engineering 2007

Thesis: Creating an Eccentrically Braced Frame Model for Application in Seismic Performance Assessments

## + ACTIVITIES

### Boston Triathlon Team

Athletic Director 2016 to Present

- Elected board member.
- Operation and strategic direction.
- Collect and display race results on webpage.
- Manage annual Indoor Time Trial.

## + INTERESTS

Triathlon, Soccer, Skiing, the Outdoors, Travel, Cultures, Trivia