

# KATHERINE DEGNAN

## SOFTWARE ENGINEER

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[PORTFOLIO](#)

[GITHUB](#)

[LINKEDIN](#)

### TECHNICAL SKILLS

React, Redux, Ruby, Ruby on Rails, JavaScript, HTML, CSS, PostgreSQL, SQLite3, SQL, Git, Google Maps API, AWS, Heroku, Webpack, jQuery

### EDUCATION

**Web Development - App Academy** | Fall 2019

1000+ hour software engineering program with a <3% acceptance rate and a focus on Javascript and Ruby on Rails.

**Mechanical Engineering BS - Binghamton University, State University of New York** | 2013 - 2017

Relevant Courses: Computer-Aided Engineering, Engineering Analysis, Ordinary Differential Equations, Calc 3, Engineering Communications

### PROJECTS

**EVENTHYPE** (Rails, ReactJS, Redux, PostgreSQL, HTML, CSS, Webpack, AWS, Heroku)

[live](#) | [github](#)

A single-page app inspired by Eventbrite where users can browse events, create events and like events.

- Customized JSON responses with JBuilder to improve efficiency between Rails API and front-end interface.
- Implemented a two-step user authentication that ensures user privacy and autonomy through frontend and backend authentication measures using cookies to persist authorization across sessions.
- Connected Active Record models to Active Storage and AWS3 to store image uploads in the cloud for users to use custom photos when creating events.
- Harnessed the unidirectional state management of Redux to simplify React components and directly manage data.

**CITIBIKE** (JavaScript, Google Maps API, Citibike API, CSS, HTML)

[live](#) | [github](#)

A Data Visualization that shows the location of bike stations and available bikes near the user in the NYC area.

- Leveraged the HTML5 geolocation feature along with Maps Javascript API to display the location of the user and surrounding bike stations.
- Fetched and stored data asynchronously from the Citibike API using XML requests to get live data of available bikes at any station in the NYC area
- Integrated Google Maps API to render a map of the NYC area directly into the DOM and mark the locations of all Citibike stations based on Citibike API responses

### EXPERIENCE

**Fine Wine & Boutique Spirits Sales Representative**

Southern Glazer's Wine & Spirits

Oct 2017 - Jul 2019

- Completed rigorous wine training to become a Certified Sommelier.
- Provided sales account management to over 80 accounts to identify opportunities to meet/exceed assigned quotas.
- Operated as part of a 6 person team to achieve overall company goals and personal goals by strategically planning placements and volume.
- Increased territory revenue by 20% in 2018 versus prior year goal by increasing 'by the glass' placements in my territory to drive volume.