

# VICTOR SCHOLZ

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## SUMMARY

Driven software engineer with experience building full stack applications with Ruby, Rails, JavaScript, React, SQL databases, and RESTful API architecture. A background in the service industry combines a proficiency in collaboration and team empowerment, with a passion for problem solving.

## TECHNICAL SKILLS

JavaScript, React, Three.js, Cannon.js, Ruby, Ruby on Rails, HTML, CSS, Postgres, PostGis, SQL, Git, Heroku

## TECHNICAL EXPERIENCE

### Aeropress Dice – [Demo](#) | [Video](#) | [GitHub](#)

*3D Physics application inspired by the Aeropress dice product that allows the user to roll the dice and save coffee recipes.*

- Created in React with the React-Three-Fiber and Use-Cannon libraries in conjunction with a Rails back end where the saved user recipes are stored.
- Constructed a reactive scene with lighting conditions, objects, textures, and shadows with the Three.js library.
- Loaded in custom built and textured 3D glTF models and resized them to the scene.
- Randomized the set velocity, rotation, and position for each dice when thrown on click.
- Added sound effects to the dice throw and recipe save buttons with the use-sound library and imported .wav files.
- Rendered the results of each roll on the plane while utilizing React Hooks to dynamically manage state.

### DistrictBuild NYC – [Demo](#) | [Video](#) | [GitHub](#)

*An interactive map of NYC that allows the user to click on any of the 37,000 historical buildings and see it's information.*

- Built a React front end with a custom MapboxGL.js map and a Rails back-end utilizing a PostGis database.
- Authenticated user transactions with JSON Web Tokens.
- Produced an extensive schema for the dataset while maintaining Rails best practices by creating model relationships between buildings and users, including using ActiveRecordSerializers.
- Seeded the database with a GeoJSON file from NYC Open Data and established the geometry for each building with MultiPolygon SQL queries.
- Used HTML, CSS, and MapboxGL.js to create a clickable marker and description modal for each building.

### Churn – [GitHub](#)

*An application that keeps track of credit cards currently available along with their associated fees and categories.*

- Created a Rails back end to communicate with the CCstack RESTful API endpoint, extracting hundreds of datasets to parse.
- Built a JavaScript front end with a series of filters to parse through dense credit card data from the API.
- Produced a complex schema design to allow multiple users to track multiple cards across various categories.

## EMPLOYMENT

### Field Operations Manager

Aug. 2019 – July 2020

The Espresso Specialist

Brooklyn, NY

- Coordinated the coffee equipment supply chain for 3,000 accounts in New York, New Jersey, and Connecticut.
- Acted as a consultant to new and existing customers for equipment ordering, troubleshooting, installations, preventative maintenance programs, and rentals.
- Sent and received all invoices, averaging about \$36,000 per week across three technicians.

### Beverage Program Director

July 2018 – June 2019

The Glass Knife

Winter Park, FL

- Oversaw and led the hiring of a six-person beverage team as well as the drink menu creation and beverage quality control for the business.
- Drove sales and became Onyx Coffee Lab's highest grossing wholesale account in the US with over \$110,000 spent on coffee in one year.

## EDUCATION

### Bachelor of Science – BS, Social Entrepreneurship

June 2018

Florida State University

Tallahassee, FL

### Certificate, Full Stack Web Development

Oct. 2020

Flatiron School

New York, NY