

# Derek Lee

## Software Developer

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New York, NY

[Portfolio](#)

[Linkedin](#)

[GitHub](#)

## Skills

Javascript, React, Redux, HTML5, CSS, Ruby, Ruby on Rails, PostgreSQL, Mongoose, MongoDB, Node.js, Express.js, SQL, Webpack, jQuery, Heroku, Google Maps API, AWS, d3.js

## Projects

### Bedfast

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

*An AirBnB clone built using:* React, Redux, Ruby on Rails, Javascript, Node.js, PostgreSQL, Webpack, Google Maps API, AWS, React Calendar

- Integrated Google Maps and Geocoding API to display and update the map and the marker for each of the listings to make the single page application dynamic
- Incorporated AWS S3 on the Rails backend to store 5 user uploaded photos for scalability, reliability, and security
- Structured frontend components utilizing Javascript, Reactjs, Redux, HTML5, CSS3 for rendering and jQuery for api calls

### LearnTwoMath

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

*An online platform for users to either share resources about mathematical concepts or learn from the resources posted using:* MERN Stack, Redux, Quill.js, Javascript, Webpack

- Utilized the Validator.js library to validate user input in the controller before saving data into a MongoDB collection to prevent saving malformed data
- Employed MongoDB as a non-relational database to store backend data and manipulated such data using the Mongoose ODM which sped up development time
- Customized the user interface and programmed custom functionalities from the react-quill library to guarantee a fluid user experience in rich text editing

### League of Legos

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

*A tool to look at all professional games played between two teams between 2015 and 2018 in*

*League of Legends using:* Javascript, HTML, CSS, d3.js

- Constructed a system using the d3.js library and vanilla javascript to toggle features
- Designed a backend that filtered response data based on user input
- Minimized API calls and reduced data loading time by 75%
- Performed unit testing and tested edge cases to ensure the program runs flawlessly

## Education

App Academy | May 2022 | New York, NY

Immersive software development course with focus on full stack web development

Baruch College | May 2021 | New York, NY

Zicklin School of Business, BA of Business Administration in Computer Information Systems (GPA: 3.7)