

# Ommi Shimizu

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## Projects

### Omninote [Rails, ReactJS, Redux]

[Live](#) | [GitHub](#)

*Note-taking application inspired by Evernote to organize notes with notebooks, tags, and location flags.*

- ☐ Utilized ReactQuill library for rich-format text and Amazon S3 for storing images in notes
- ☐ Implemented autosave using debouncing and other optimizations to reduce AJAX requests
- ☐ Built flag feature to allow users to view note locations on map using the Google Maps API

### Data Structures [ReactJS, CSS3]

[Live](#) | [GitHub](#)

*Visualizations of various data structures.*

- ☐ Built data structures such as a BST, trie, hashmap, and LRU cache, and created visualizations of how they can be searched and manipulated

### Dungeon Hop [Javascript, HTML5 Canvas]

[Live](#) | [GitHub](#)

*1- to 2-player side-scrolling browser game*

- ☐ Created user interface for updating settings such as speed, AI intelligence, obstacles, and items for dynamic game play
- ☐ Integrated Firebase database for backend storage of scores

## Skills

-Ruby on Rails

-Javascript

-React

-Redux

-CSS3

-HTML5

-SQL

-jQuery

-Git

-RSpec

## Work History

### App Academy [New York, NY // Teaching Assistant]

Nov. 2017 - Present

- ☐ Answer students' conceptual and technical questions regarding coursework
- ☐ Managed full stack projects of 7 students by providing feedback on implementation details such as their project timeline, DB schema, redux state shape, frontend and backend routes, and performance issues

### Keio Academy of New York [Purchase, NY // Administrative Assistant]

2014 - 2017

- ☐ Maintained content on a bilingual website
- ☐ Created and maintained Access database to optimize production of mailing lists, fundraising reports, and student affairs reports
- ☐ Edited school publications such as newsletters, activity reports, and brochures

### ALTIA Central [Gifu, Japan // Assistant Language Teacher]

2013 - 2014

- ☐ Prepared and implemented English lesson plans in elementary school classes.
- ☐ Supported the Japanese English teachers in junior high school classes
- ☐ Coached students through ESL extracurricular activities

## Education

### App Academy [New York, NY // Full Stack Web Development]

Sept. - Nov. 2017

Teaches Rails, SQL, JS, React, Redux, TDD, algorithms, and programming best practices

### Boston University [Boston, MA // B.A. in Biology]

2008 - 2012

Specialization in Ecology & Conservation Biology