

# Jonah Lipsky

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[LinkedIn](#) // [Github](#) // [Portfolio](#)

## PROJECTS

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### JamCloud: a SoundCloud-inspired App

[Live](#) [Github](#)

- \*Leveraged polymorphic associations on the Ruby on Rails backend for 'likes' on tracks, comments and users.
- \*Constructed a React sound progress bar component using rapidly sent Redux actions to maintain synchronicity.
- \*Implemented full CRUD on several database entities managed via async dispatched Redux actions with Ajax.
- \*Integrated file storage on Amazon Web Services S3 (AWS) for efficient access to audio and image files.

### PlayGo: a platform for playing the game of Go.

[Live](#) [Github](#)

- \*Implemented a full rule set of Go in JavaScript and enabled persistence across sessions via Google Firebase DB.
- \*Enabled two-player games and chats using Google Firebase with event listeners that behave like websockets.

### Dhamma Dhara Maintenance Website

[Live](#)

- \*Simulated a backend database using Google App Script queries of spreadsheet data stored in Google Cloud.
- \*Implemented full CRUD on maintenance requests via App Scripts triggered by Google Form submissions.

## SKILLS

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**Advanced:** JavaScript, React, Redux, Ruby on Rails, SQL, Python, HTML5, CSS3. **Proficient:** Relational and non-relational Databases, Node.js, PostgreSQL, Google Firebase, Amazon Web Services, R, Git, Sass, jQuery, Google Apps Script. **Basic Knowledge:** Matlab, Machine Learning, Django.

## WORK EXPERIENCE

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### Lab Manager and Research Assistant

#### The Clinical and Affective Neuroscience Lab at Brown University

Jan 2014 — May 2018

- \*Hired and managed 50+ undergraduates and graduate students working on more than 15 projects over 3 years.
- \*Created automated graphs using R to display clinical progress over time for 75+ participants in a 3-year trial.
- \*Computed statistics for, and co-authored, a publication from a clinical trial that included over 100 individuals.
- \*Managed over 20 related spreadsheets combining data from nearly 200 academic papers for a meta-analysis.

### Computer Programming and Math Teacher

#### The Wheeler School, Providence RI

April 2015 — May 2018

- \*Taught a college-level Data Structures and Algorithms course in Python to two advanced high school coders.
- \*Taught core math curricula to advanced students in the 3<sup>rd</sup>, 4<sup>th</sup>, 5<sup>th</sup>, 6<sup>th</sup>, 8<sup>th</sup>, 9<sup>th</sup> and 10<sup>th</sup> grades.

## EDUCATION

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### App Academy, New York, NY.

Nov 2018 — Feb 2019

*Full-stack Coding Bootcamp with <3% acceptance rate. 1000 hour software development course that focuses on full-stack development and teaches React, Javascript, Ruby on Rails, SQL, Redux, TDD, algorithms, design patterns, and best practices.*

### Bennington College, Bennington, VT. Concentrations: Psychology & Drama, B.A.

2008 - 2013

*Curriculum Highlights: Make Me Dangerous: Introduction to Computer Science using Python, The Creation of Statistics using R*