

Jonah Lipsky

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

PROJECTS

JamCloud: a SoundCloud-inspired App

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

- *Used polymorphic associations on the Ruby on Rails backend for likes/follows 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

React, Ruby on Rails, JavaScript, Python, Redux, SQL, PostgreSQL, Amazon Web Services, R, Matlab, Git, Machine Learning, HTML5, CSS3, Sass, jQuery, Google Apps Script.

WORK EXPERIENCE

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 3rd, 4th, 5th, 6th, 8th, 9th and 10th grades.

EDUCATION

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