

# JUN HYEOK LEE

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[Portfolio](#)

[Github](#)

[LinkedIn](#)

New York, NY

## SKILLS

JavaScript, React.js, Ruby on Rails, jQuery, Ruby, Redux, SQL, Postgres, Git, Heroku, HTML5, CSS3, RSpec, Mongoose, MongoDB, Node.js, Express, Webpack, AWS S3

## PROJECTS

### BeatCloud (Javascript, React, Ruby on Rails, HTML/CSS)

[Live Link](#) / [Github](#)

Full stack pixel-perfect web clone of SoundCloud using React/Redux for frontend & Ruby on Rails for backend where users can upload music into their artist page

- Integrated React/Redux with HTML5 Audio Element to build an asynchronous media player that mounts to the DOM on click and stays rendered to the page while browsing with accurate time ticks and various playback functions
- Developed a custom track CRUD utilizing an upload page that uses Active Record/PostgreSQL to upload tracks directly to AWS S3
- Utilized react component to isolate the play button as a separate entity in order to allow any tracks on any page to play on the media player

### BoBudget (MongoDB, Express, React, Node.js, Javascript)

[Live Link](#) / [Github](#)

Backend Lead for MERN Stack project where users can search for bobas in nearby stores and customize a budget that tracks purchases

- Designed and built the backend data structure that holds user budget information as well as details for bobas with Mongoose/Express using MongoDB Atlas as the database
- Incorporated RegExp to implement a search algorithm to look for bobas that contain the keyword while ignoring case-sensitivity
- Formulated a random boba recommender widget by sampling index from an array along with falling boba animations using CSS webkit tools

### AudioNotes (Javascript, HTML/CSS)

[Live Link](#) / [Github](#)

Interactive 25-note step sequencer using Javascript and Tone.js with 4 different synths and 3 pattern choices (4-beat, 8-beat, 16-beat)

- Implemented a piano-roll that highlights rows based on key pressed in order to indicate the note represented with CSS inline styling
- Created functionality for users to play, pause, rewind, and clear their step sequence as well as the option to select from different synths using Tone.js
- Utilized event listeners to keys pressed in the piano and the sequencer to connect to Tone.js and play the note using the user-selected synth

## EXPERIENCE

### IBM (Teamwork, Large-scale app support, Web Dev/Support)

**Command Center Mainframe Operator**, AUGUST 2017 - SEPTEMBER 2019, NEW YORK

- Provided Tier 1 Hardware and Application support in IBM's z/OS Mainframe environment for Console & Batch Operations
- Designed and implemented automation using JCL to clear old batch jobs and lowered average job queue CPU% usage by 20%+
- Solely operated the Command Center Operation website where I organized change control schedules and various standard operating procedures for the operation team to access easily on daily basis

### Verizon Wireless (Solo Operation, Large-scale app support, Data Management)

**Console Operation/Tape Operation**, JUNE 2013 - AUGUST 2017, NEW YORK

- Managed StorageTek SL8500 Stream Line Consoles to perform silo audits and log extractions, as well as organizing silo inventories
- Led the overseeing of IBM TS7760 Virtual Tapeless library environment and operated as a bridge between the mainframe operation and hardware vendors like Hitachi, IBM, and Oracle

## EDUCATION

**App Academy** - Immersive software development course with focus on full stack web development (Spring 2020)

**Syracuse University** - BS - Information Technology (Spring 2013)

- Curriculum - Introduction to Java / Data Science