JUN HYEOK LEE

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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 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 boba 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
Command Center Mainframe Operator (Web Development & Large-Scale App Support)   Aug 2017 - Sept 2019

- 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%+
- 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
Console Operation/Tape Operation (Large-Scale App Support & Data Management)   Jun 2013 - Aug 2017

- 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, 16-week full-stack software development course Spring 2020
Syracuse University - BS - Information Technology Spring
2013
Relevant Coursework: *Introduction to Java, Introduction to Data Science*