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Full-Stack Web Developer leveraging a background in music and education with a focus on collaboration to support constructive team-work. Currently studying for a Certificate in Full Stack Web Development at the University of Denver, I am looking for my next professional home. With years of experience in team leadership, I've led project work, as well as study groups during my education. In coding, my passion lies in using creative programming to solve complex problems. An example of that can be seen in the Flint'z Skinz project I worked on, where I wrote code that utilized mouse position to create the illusion of stop-motion animation customizable by the user. I am excited to work with a team of developers to solve problems, find & fix bugs, and create awesome things!

Education:

Certificate in Full Stack Development, University of Denver   expected March 2020
Doctorate in Music and Pedagogy, University of Colorado Boulder   2018

Technical Skills:

Programing Languages Known: HTML, CSS, JavaScript (ES6)
Front End: REST API queries, 3rd party JS and CSS library integration, deployment of web pages
Back End: Node.js, Express servers, REST API creation, NPM
Cross Stack: jQuery, Test Driven Development with Jest, mySQL, Object Oriented Programming
In Development: MongoDB and Mongoose, Python, React

Coding Experience and Select Projects:

Flint'z Skinz: A full stack, paint-brush style application following the ORM structure. The uniqueness of this project is in its recording and playback functionality. Users can elect to record their doodling. This is done by storing mouse coordinates 20 times/second as the user is drawing. These coordinates are fed into a function that recreates the recording based on the coordinates with a timed, repeating call, creating the illusion of stop-motion animation. The doodle can be stored into a database and later loaded again. Code: https://github.com/c-frog/Paint-Brush. Deployed: https://flintz-skinz-2.herokuapp.com/
Technologies and Libraries Used: jQuery, Unsplash API calls, HTML 5 Canvas, p5.js, Materialize CSS, Express Server, mySQL with Sequelize, Node.js

Bone'z Beatz: A customizable soundboard app, where the user connects sound bites to buttons on a virtual keyboard, and the sounds play when the key is pressed. Includes recording functionality, API queries, and 3rd party JS library integration. Code: https://github.com/tzvik15/Bonez-Beatz. Deployed: https://tzvik15.github.io/Bonez-Beatz/
Technologies and Libraries Used: jQuery, AJAX calls to external APIs, Bulma CSS, Artyom.js

Hot Restaurant Cold Food: A full stack app that simulates table reservation for a restaurant with limited tables. When a reservation is made, details are posted to an API. The table availability is dynamically updated on the corresponding page, and the API data itself is also easily accessible via links. Code: https://github.com/tzvik15/Hot-restauraunt-cold-food. Deployed: https://sheltered-bayou-19458.herokuapp.com/
Technologies and Libraries Used: jQuery, Bootstrap CSS, Font Awesome, Node.js, Express Server

STACKato Solutions: Owner and developer, STACKato Solutions believes in collaborating with clients to realize and deliver a product that is a true part and representation of the client and their vision.

Soft Skills:
Leadership: Over a decade of experience in leadership positions within music organizations, leading groups of 2-20 people.
Creativity: As a musician I have developed a capacity for creative ideas and problem solving.
Communication and Administration: Over two years of experience in music management, including logistics, coordination, and social media management.
Discipline and Learning Capability: Close to twenty years' experience in instrumental music learning has taught me how to learn and master complex concepts fast, and how to practice them to perfection.
Languages: Native speaker in English and Hebrew.

References and previous work experience available on request.