Brittany Zellman

Software Engineer

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PROJECTS

Clevernote (Rails, React, Redux, JavaScript) clevernote.fun

Single-page full-stack web app built to act as an organizational tool modelled after Evernote.

- Optimizes React components by abstracting out customizations, making them reusable and multi-purposed.
- Implements Quill.js library for rich text editing features. Quill's input and output is formatted in JSON, and the library is supported by all browsers.
- Ensures user security/authentication via hashing and salting with the BCrypt Ruby Gem
- Takes advantage of setTimeout when editing notes to incorporate an auto-save feature, allowing the user's input to be saved and sorted in real-time.

Tree Jumper (vanilla JavaScript) live

Browser game similar to Google's dinosaur game built using vanilla JavaScript, HTML5, and CSS.

- Implements HTML Canvas element for rendering graphics and JavaScript's setInterval and clearInterval to give the illusion of motion and manipulating speed.

DOMify -own implementation of the jQuery library (vanilla JavaScript) live

- Contains methods for event handling, document manipulation, and AJAX requests.

EXPERIENCE

Orchestral Musician (2011 - 2017)

- Recorded and performed extensively with the Grammy-award-winning Albany Symphony
- Won auditions with five regional symphonies which required dedication, exemplary time management and problem-solving skills, and determination.

Head of String Dept. - United Nations Int'l School (2009 - 2016)

- Managed meaningful interactions with students, parents, faculty, and administration each in their own respectively appropriate manner.

SKILLS

Ruby, Ruby on Rails, Java, JavaScript, React, Redux, jQuery, HTML5, CSS3, SQL, RSpec, Git

EDUCATION

App Academy

May 2017 - September 2017

1000-hour full-stack software development curriculum, < 3% acceptance rate.

Stony Brook University, Post Doctoral studies in Comp. Sci.

June 2016 - Jan 2017 (GPA: 3.8)

Stony Brook University, Doctor of Musical Arts

Sept 2009 - May 2012 (GPA: 3.83)

Stony Brook University, Master of Music

Sept 2007 - May 2009 (GPA: 3.95)

Aaron Copland School of Music, Bachelor of Music

Sept 2003 - May 2007