Wade Coufal

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SKILLS

Ruby, Ruby on Rails, JavaScript, jQuery, React.js, Redux, SQL, Git, HTML5, CSS3

PROJECTS

Cadenze   Live Site | Github
Spotify-clone (Ruby on Rails, PostgreSQL, React, Redux, AWS S3)

- Designed the music player as a top-level React component and stored the music queue in the Redux state, allowing for seamless music streaming while navigating the site.
- Leveraged Rails routes and controllers to filter results in a variety of ways: songs, albums, and artists can be retrieved by their unique id, by their association with other resources, or by search queries.
- Utilized DRY and OOP coding practices to create robust and reusable React components: resources could be easily integrated into other areas of the application with just a few lines of code.

Current   Live Site | Github
Gathers trending content from multiple sites all in one place. (MongoDB, Express.js, React, Node.js)

- Integrated 4 external APIs into the project, including Imgur, Giphy, and Tumblr.
- Parsed the responses of these APIs so they could easily be incorporated on the frontend.
- Used JavaScript Promises to ensure that all results from the different APIs would be sent to the frontend at the same time.
- Worked with Google Trends API to fetch trending topics as well as topics related to the user's current search query, giving users the ability to endlessly follow a trail of trending and related topics.
- Styled the Imgur, Giphy, and Tumblr components with CSS3 to mirror the sites they were retrieved from. Each component included links to the original post, the author of the post's page, and tags associated with the post.

Sequence   Live Site | Github
Music sequencer (HTML5, CSS3, Canvas, JavaScript)

- Incorporated JavaScript's setInterval into the sequencer class to manipulate tempo. As a user changes the beats per minute, the sequencer's setInterval updates itself to play the sequence faster or slower.
- Implemented visual logic with Canvas and JavaScript, giving users the ability to customize the style, color, sounds, and key of the sequencer.

EXPERIENCE

Musician
Opera Philadelphia, June 2015 - May 2018

- Performed in 5 productions a year across Philadelphia, music ranging from Mozart to Puccini to living composers.
- Acted as both a principal and section performer depending on the production, seamlessly weaving between leadership and team member roles.
- Was invited to perform as a soloist at the music director's festival, Artosphere.

Founding Fellow
ArtistYear, July 2014 - June 2015

- ArtistYear is the first national AmeriCorps organization that enables artists to dedicate themselves to a year of service to their country.
- Collaborated with ArtistYear founders and other fellows in weekly meetings to structure and design the service program in its infancy.
- Volunteered and taught music improvisation to patients at St. Christopher's Hospital for Children.
- Coordinated performances and events in non-traditional venues across Philadelphia, bringing classical music to new audiences.

EDUCATION

App Academy - Immersive software development course with focus on full stack web development (Fall 2018)
Bard College - *Curatorial Studies* (Fall 2015 - Fall 2016)
Curtis Institute of Music - *BM - Music Performance* (Spring 2015)