DILLON LUTHER

SOFTWARE DEVELOPER

CONTACT

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TECHNOLOGY

Ruby
Ruby on Rails
React.js
Redux
React Native
JavaScript
SQL
HTML
CSS
Git
RSPEC

EDUCATION

App Academy
Full Stack Development
2017

Arizona State University
Mechanical Engineering
2014

FUN FACTS

Competitive swing dancer
Can do a backflip
Unreasonably afraid of sharks

PROJECTS

NoiseNimbus | Full Stack
A single-page application, inspired by SoundCloud. Built with Ruby on Rails, PostgresSQL, React.js, and Redux.
- Ensured customized user experience by implementing secure user authentication via ActiveRecord model validations and database constraints
- Installed AWS S3 server and setup Paperclip to allow users to upload tracks and images securely
- Created fluid, asynchronous audio playback by manipulating the Redux state to maintain track information in each view

PayToPlay | Frontend
A data visualization analyzing the highest paid athletes of 2017, according to a Forbes article. Created with JavaScript, D3.js, HTML5, CSS3.
- Utilized D3 library of JavaScript to join JSON data to HTML elements, which allowed for the creation of informative tooltips
- Incorporated CSS to beautifully style the visualization and design interactive features such as filtering by class and tooltip display upon mouseover
- Processed data from Forbes article into JSON format for efficient access and transformation

Smooth | Full Stack Team Project
A mobile mapping application that incorporates user preference to craft an efficient and safe route. Built on Rails and React Native, and utilizes Google Maps API.
- Constructed a form of Dijkstra's algorithm on road network graph in order to find optimal path based on user preferences
- Accessed Google Elevations API, DataSF, and OpenStreetMap to map elevation and crime statistics to our location coordinates
- Designed smooth user interface using React Native libraries along with HTML and CSS, including features such as stack navigation and preference sliders

EXPERIENCE

Mechanical Product Engineer | Cisco Systems, Inc.
San Jose, CA ▪ 2014 - 2017
- Managed mechanical new product introduction (NPI) of 10+ enterprise networking products in first three years
- Launched three Nexus data center switching products with +100M forecasted annual run-rate
- Collaborated cross-functionally to coordinate the on-time and under-budget implementation of engineering, compliance, marketing, and contract manufacturing teams throughout NPI