DILLON LUTHER

SOFTWARE DEVELOPER

CONTACT

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TECHNOLOGY

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

EDUCATION

App Academy
Full Stack Development
2017

Arizona State University
Mechanical Engineering
2014

FUN FACTS

Professional swing dancer
Can do a backflip
Unreasonably afraid of sharks
Has a man-bun

EXPERIENCE

Full Stack Software Engineer | ReferralExchange
San Francisco, CA ▪ 2018 - 2019
Ruby on Rails, React, JavaScript, MySQL
- Developed backend search algorithm that handled user input and optimized the display based on the number of items returned
- Collaborated with a teammate to build the user interface of the new flagship product in time for a critical industry-wide deadline (NAR conference)

Mechanical Product Engineer | Cisco Systems, Inc.
San Jose, CA ▪ 2014 - 2017
- Managed mechanical new product introduction (NPI) of 10+ enterprise networking products that had a combined +100M forecasted annual run-rate

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
- Implemented AWS S3 server and used Ruby's Paperclip to allow users to upload tracks and images securely
- Created asynchronous audio playback using Redux 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 to store JSON data in HTML in order to visually display information
- Designed interactive features including filtering by class and mouseover tooltips
- 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 with 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