DAVID CORTINAS

Full Stack Software Engineer

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SKILLS

Software Languages:
- CSS3
- HTML5
- Javascript
- Python
- Typescript

Frameworks:
- Axios
- Django
- Flask
- Node.js/Express
- React

Databases:
- NoSQL (Realtime Database)
- PostgresSQL

Additional Tools and Skills:
- CircleCI
- Docker
- Git
- Jupyter Notebook
- MaterialUI
- Matplotlib
- Numpy
- Pandas
- Postman
- Ramda
- REST
- Web API's
- Zod

EDUCATION

New York University
MA in Music Business

Art Institute of Austin
BS in Music Production

EXPERIENCE

Full Stack Software Engineer
QuotaPath | Austin, TX | September 2021 - February 2023
- Utilized Python Django in the back-end system to analyze and manipulate data, ensuring accurate calculations and formatting for front-end reporting and exports, resulting in a user-friendly experience.
- Employed MaterialUI, Ramda, and Zod to format and shape data from the back-end, enabling transparent reporting of deal and compensation data in UI tables for users.
- Contributed to the redesign of the front-end grid system using React TypeScript and MaterialUI, enhancing both the development and viewing experience.
- Streamlined the login process for customers and users by leveraging Single Sign-On (SSO) systems such as Google, Salesforce, and Close.

Front-End Developer
Vancerts | Austin, TX | May 2021 - August 2021
- Integrated the Konvajs library with Javascript, and HTML to engineer a user friendly drag and drop stage-plot designer to provide an effective and memorable experience for users
- Spearheaded the design and layout plans for the widget and forms using CSS and HTML5 for the layout, sizing, and general style of the page
- Provided a seamless user experience by incorporating a downloadable stage-plot and input list using Javascript

Full Stack Developer
Coding Temple | Chicago, IL | March 2021 - August 2021
- Analyzed data sets reflecting usage statistics with Python, Pandas, and NumPy in order to develop usable data in the development of future marketing plans
- Engineered a full-stack website including user registration, login, and messaging utilizing HTML, CSS, Javascript, React, and Firebase Realtime Database
- Created a weather widget using JQuery, vanilla Javascript, Ajax, and the OpenWeatherMap API to provide real-time weather data
- Developed web applications with Python, Flask, and Jinja for front and back-end utility

PERSONAL PROJECT

SongQuest
- Spearheaded the development of a robust Python-based backend utilizing Django framework to seamlessly retrieve and present music rights data to users via a user-friendly frontend search interface.
- Devised and implemented cutting-edge web scraping algorithms leveraging the power of Selenium and Beautiful Soup, enabling the extraction of comprehensive music rights data from diverse online sources.
- Skillfully harnessed the capabilities of Spotify's API to conduct sophisticated searches for song data that precisely matched user queries, subsequently extracting and presenting valuable copyright and label information associated with the matched queries.
- Architected and constructed an engaging React.js frontend using MaterialUI and react-redux, offering a seamless user experience. This frontend effectively communicates user search queries to the backend for efficient processing, and elegantly presents the search results in a highly organized table format.