JIAQI CHENG

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SKILLS
JavaScript, Python, R, SAS, SQL, React / Redux, flask, Express, Sequelize, PostgreSQL, AWS, Google Maps Platform, PyTorch, Apache Spark, Pandas, Numpy

PROJECTS

Wehelp - user reviews and recommendations for local restaurants   Live Site | Github
(JavaScript, React / Redux, Python / Flask, HTML, CSS, PostgreSQL, AWS, Google Maps Platform)
- Utilized AWS and redux store to implement user profile and restaurants image uploads, reducing server load and allowing for scalability of image services
- Integrated Google Maps Platform and Geocoding API to display Google maps and autocomplete restaurant addresses, delivering more comprehensive information and simplifying business registration procedures
- Achieved pixel-perfect frontend design with vanilla CSS, providing users a smooth and comfortable experience

Know Yourself - share, compose, and comment on psychological articles and tests   Live Site | Github
(JavaScript, React / Redux, Express / Node.js, HTML, CSS, PostgreSQL, CKEditor)
- Reduced needed PostgreSQL database by 20% by utilizing one-to-many associations and eager loading on the database level, reducing server load and ensuring reliable DOM rendering
- Integrated React State and Redux's global store to construct various psychological tests and store the result automatically on the profile page, allowing more user interactions and user retention
- Utilized CKEditor and react-html-parse to integrate a Rich Text Editor for articles, ensuring the user can modify their text input with more flexibility and providing a seamless reading experience

Concertbrite - share musical events of different genres and register tickets   Live Site | Github
(JavaScript, React / Redux, Express / Node.js, HTML, CSS, PostgreSQL, Figma)
- Ensured user privacy and security through frontend and backend authentication measures and CSRF tokens, allowing users to only access and make changes to their own registration when logged in
- Utilized Redux architecture's unidirectional data flow to develop user autonomy by linking their registered tickets to their order history, allowing for fast and efficient ticket editing and deletion
- Produced the event listing and ticket registration UI using React Native styling and user-centered design techniques, improving usability and user retention

EXPERIENCE

Data Analyst Intern
Silk Road Fund Co., Ltd, June 2018 - Aug 2018
- Scraped financial data from Bloomberg and Wind Terminal through commercial API; cleaned and filtered data by utilizing Numpy and Pandas to improve the model training efficiency by 23%
- Utilized Regression Discontinuity methods and python scikit-learn library to analyze the impact of public policies on agriculture, increased the prediction accuracy by 16.2%
- Visualized the growth trend of the Chinese agricultural industry using Python matplotlib and seaborn library, delivered an informative presentation to over 100 colleagues in both risk management and investment department

Product Manager
Pallet 9, Apr 2021 - Aug 2021
- Designed market research questionnaire and delivered it to 263 potential users; analyzed the results to formalize the product requirement document
- Established the product wireframe and UI / UX design for both PC & Mobile versions with Figma, received an 87% user satisfaction rate in product usability
- Planned and oversaw the DevOps process using an agile approach, shortening the development cycle by 12%
- Collected and analyzed competitor's products information to determine product promotion strategies, and improved traction rate by 26%

EDUCATION

App Academy - Immersive software development course with a focus on full stack web development (Spring 2022)
University California @ Berkeley - *MA - Statistics* (Fall 2020)