Kristal Kung

Software Engineer in San Francisco, CA

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Python, Javascript, Flask, jQuery, React, PostgreSQL, SQL, HTML, CSS, Jinja, Git

PROJECTS

Recallama | Github | Demo | Website

Using the openFDA API, Recallama allows you to search for FDA drug and food recalls. This app was designed with a Python/Flask back-end, a PostgreSQL database, and a JavaScript/React front-end that utilizes React Router, CSS, and Bootstrap.

- Implemented keyword search allowing users to browse food and drug recalls, displayed using data from the openFDA API
- Utilized Flask-login for user creation and authentication, allowing users to save recalls to their profile with comments
- Self-taught and implemented front-end in React
- Deployed using AWS and routed domain using Amazon Route 53
- Developed project timeline and goals, including project outline, MVP, data model, user flow, and wireframes
- Created detailed documentation, including the app features, development challenges, and local download instructions
- Designed llama logo

Movie Ratings App | Github

A Flask application that allows users to view information on movies, login, and add personal ratings to a movie.

- Search functionality allows users to browse movie listings, displayed using the MovieLens 100K dataset
- Flask-login allows for user registration and login, using sessions to authenticate
- Designed data model to connect movie ratings to users and movies.

EDUCATION

Hackbright Academy   Jan 2021 – Jul 2021

Software Engineering Fellowship - Part-Time Software Engineering Program

California Polytechnic State University, San Luis Obispo   Sep 2016 – Sep 2017

M.P.S., Dairy Products Technology

University of California, Santa Cruz   Sep 2012 – Jun 2016

B.S., Molecular, Cell, and Developmental Biology
Dean's Honors list

PROFESSIONAL EXPERIENCE

Senior Research Associate   Mar 2020 – Present

Impossible Foods | Redwood City, CA

- Validate processes from Contract Manufacturing Organizations (CMOs) to determine future partnership
- Develop and maintain KPI and instrument usage tracking systems for the Heme Analytics team
- Partner with internal stakeholders to ensure delivery of reliable testing processes

Quality Control Technician   Apr 2018 – Mar 2020

Impossible Foods | Redwood City, CA

- Served as a key player in validating ingredients that impacted the company with a $7 million profit
- Evaluated product release for pilot scale, manufacturing, and distribution for 16,000 restaurants, including the national rollout in 7,000 Burger King restaurants and 14,000 Starbucks locations.