SARAH BANASHEK

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WOODLAND HILLS, CA

Technical problem solver with a history in mathematics education. Enjoys collaborative environments in which teams can build a unified vision of the general direction and problems to be solved. Experienced in independently seeing units of work through to completion. Excited by further growth and honing of technical skill set.

PROJECTS

EXERCISE TRACKER

Analyze and Record Workout Data

Built a full-stack application that allows users to track their workouts. Designed and implemented data visualizations to provide ergonomic views of historical data. Implemented a flexible User Experience to allow users to tailor the application to their needs. Documented server API to enable users to swap in compatible clients.

Front-End Technologies: Javascript · React · Recharts · Chakra UI
Back-End Technologies: Node.js · Express.js · SQLite · Knex.js

WORLD CURRENCIES AND EXCHANGE RATES

Exchange Rate Data Visualization

Built an application to provide a visualization comparing world currencies' exchange rates relative to any listed currency. Designed a flexible User Interface that allows users to customize their chart by specifying which currencies, date, and base currency they would like to see. Ensured contextual data accuracy by utilizing the ratesapi.io historical currency API.

Technologies Used: Javascript · React · Recharts

SNIFFR

Social Media for Pups

Designed and built a social media platform on which pups can share the latest "smells" and engage with each other using reactions tailored specifically for dogs. Designed a grid based layout to display user-created items in a pleasing and efficient manner. Implemented appropriate authentication and authorization controls to ensure users have control over the items they create. Created custom UI elements to add to the playful tone of the website, with content-themed animations.

Technologies Used: Javascript · Pug · BootStrap · Jest · Node.js · Express.js · Passport · MongoDB · Mongoose

DATA STRUCTURES AND ALGORITHMS LIBRARY

Store and Sort Data Efficiently

Developed a library exposing various data structures in a documented and easily consumable API. The library contains both linear and non-linear data structures along with utility algorithms. Tests and sample usage documentation provided for each of the items in the library to ease adoption.

Technologies Used: Javascript · Jest

WORK EXPERIENCE

June 2016 – June 2019   **MATH & STEM TEACHER**

Las Virgenes Unified School District

Managed and taught middle school math and STEM courses. Developed and led new projects concurrently. Consistently achieved increased test performance of 8–20% each year. Built strong working relationships with teammates via collaboration. Sought out opportunities for professional development and growth via research and mentorships from skilled colleagues. Was selected by site leader to join a committee overseeing finances for the district.

November 2015 – June 2016   **MATH & STEM TEACHER**

Santa Monica-Malibu Unified School District

Managed and taught middle school math and STEM courses. Collaborated closely with colleagues as a member of multiple teams. Successfully took over long-term projects already in progress and communicated regularly with stakeholders. Led short-term projects that allowed for advances in efficiency and better outcomes with each iteration.

EDUCATION

Bachelor's in Mathematics, magna cum laude · **CALIFORNIA STATE UNIVERSITY, NORTHRIDGE**   May 2015