Kevin Zhang

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Education

Northwestern University
BA Economics

Experience

Software Engineer | February 2023 - Present
Perceptify
- Responsible for development using Next.js and TypeScript in a fast-paced, variable startup environment
- Designed relational database schema for our users, their organizations, and other product features

Sr Financial Analyst | August 2019 - August 2021
Raytheon Technologies
- Drove team strategy by weighing the factory's production capabilities and client demands to maximize annual revenues averaging $60 million in order to meet internal revenue, profit, and growth targets
- Analyzed program performance using SAP ERP data and proprietary Excel models to improve schedule and cost efficiency, increasing profit margins by 30 percentage points across the most efficient production lines

Projects

CookBook   [live site](#) | [github](#)
React.js, Redux, JavaScript, Python, Flask, SQLAlchemy
Platform for home cooks to share and discover recipes
- Implemented Python Flask API endpoints to process client requests to upload, read, and rate recipes
- Employed Redux as a repository of that data returned from the server to be accessed in O(1) time
- Used ternary statements in JSX/HTML element class name attributes for more greater granularity controlling the functionality and design of those elements, demonstrated in the search and rating components

swEtsy   [live site](#) | [github](#)
React.js, Redux, JavaScript, Python, Flask, SQLAlchemy
Marketplace for workout equipment–clone of Etsy.com
- Worked collaboratively with three other teammates utilizing trunk-based development with Git & Github
- Utilized React's built-in context, state, and prop features to pass data seamlessly throughout the applications frontend, mitigating the need for time-consuming fetch requests on each page render
- Integrated SQLAlchemy to facilitate the flow of information between server and PostgreSQL database, returning that data transformed back to the front end client

Meetup   [live site](#) | [github](#)
React.js, JavaScript, Express
Simple clone of Meetup.com
- Implemented an Express API to handle user requests interacting with user authentication, groups, and events
- Utilized Sequelize ORM to make queries to the PostgreSQL database and manipulate the API's JSON response