Jonathan Lin

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SKILLS
React, Redux, Javascript, jQuery, SQL, Git, HTML5, CSS3, NodeJS, Postgres, Flask, JSX, MatLab, Python3, SQL

PROJECTS

Cooking Companion (React, Redux , Python3, Flask, HTML5, SQLAlchemy, and CSS3)   Live Site | Github
A fullstack NYT Recipes clone where users can create recipes, add ingredients, and comment on recipes
- Utilized React and Flask as for the front-end and back-end respectively developing a easy to utilize interface for adding and editing a recipe and its ingredients
- Optimized render speed by performing most of the information processing on the client-side in order to achieve a snappy user experience

PixelPeek (React, Redux , Python3, Flask, HTML5, SQLAlchemy, and CSS3)   Live Site | Github
A fullstack Flickr clone where users can add photos, browse different albums, and review and comment on their favorite photos.
- Implemented full CRUD on photos, comments, albums, and in order to provide users with a seamless user experience utilizing React and Flask for the front-end and back-end frameworks respectively
- Performed daily standups with Project lead in order to provide status updates and provide path moving forward
- Communicated effectively between team group members and myself in order to expedite development speed

GatherUp (React, Redux , NodeJs, Express, HTML5, and CSS3)   Live Site | Github
A fullstack single-page MeetUp clone where users can create and participate in events and groups.
- Engineered a redux store to optimize render speed and update state only when necessary improving the user experience
- Incorporated an interface utilizing React where users can interface and coordinate with multiple events and groups

EXPERIENCE

Northrop Grumman, Manufacturing Systems Engineer   Palmdale, CA   November 2020-Present
- Utilized Telerik UI libraries and Microsoft .NET core to develop website for data visualization and dashboarding of temperature and humidity data in manufacturing areas
- Spearheaded cloud initiative to implement AWS and Azure to improve data collection for the manufacturing floor
- Studied and identified new technologies from universities and other industries with relevance to our emerging programs; oversaw projects tasked with implementing improvements resulting in increased efficiency, reduced cost, and fewer defects
- Performed market research on 10+ suppliers project technical requirements; made recommendations to management and liaised with suppliers in order to set requirements and develop statements of work

Toyota Motor North America, *R&D Engineering Intern*   Saline, MI   June 2019-August 2019
- Conducted material research analysis on competitor analysis on other truck manufacturers to identify best practices s by performing hands on data collection for truck bed gap design;, and proposed solutions in order to reduce reported customer complaints by 10% regarding material stuck in the truck bed gap
- Optimized truck- bed brackets by utilizing CAD software in order to reduce material mass and save over $100,000 in total product lifetime value

EDUCATION

App Academy   Los Angeles, CA   September 2022-March 2023
- An intensive software development bootcamp with a primary focus on full stack web development

NuCamp   Los Angeles, CA   March 2022-May 2023
- A software development bootcamp with a primary focus on Python and SQL.

University of California, Los Angeles   Los Angeles, CA   September 2016 - June 2020
Bachelor of Science in Mechanical Engineering, Major GPA: 3.45

- **Relevant Coursework**: Linear Algebra, Statistics, Multivariable Calculus, C++,Computer Science, MATLAB