Tommy Chao

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Work Experience

Software Engineer
APAR Books - DIR Builders

Feb 2022 - Jun 2022
West Covina, CA

- Accounting software designed for general contractors in the construction industry, simplifying bookkeeping, payment processes, and overall workflow
- Implemented **Redux** tools to store user permission states which facilitated complex user environments to achieve streamlined user flow and a 40% reduction in user error
- Designed frontend code base, emphasizing consistent component structure and folder design for ease of implementing future features
- Documented various HTTP requests via **Postman**, accelerating development time on application's REST API
- Developed API endpoints in **Laravel** for handling sensitive project information, ranging from overall project cost to affiliated subcontractors involved
- Planned and developed various forms in **Antd** for end users to customize user permissions, construction project logistics, and sensitive company information

Software Engineer
DIR Builders

Sep 2021 - Jun 2022
West Covina, CA

- Online directory of all registered DIR general contractors and subcontractors in California with filter-rich searching capabilities to find needed contractors
- Integrated **Algolia**'s search API to provide a robust searching experience, increasing user searches by 40% compared to legacy search engine
- Implemented various API endpoints in **CakePHP** framework for user data ranging from blocked contractors list, favorites list, to saved searches
- Evaluated search analytics, identifying opportunities to refine search results which improved user traffic by 50% and user interaction by 70%
- Partnered with Marketing Specialist to create automated emails that provided curated search results to users on a weekly basis
- Coordinated discussions with targeted platform users, narrowing potential features to include in future iterations
- Successfully directed a team of developers by assigning tasks, discussing requirements, and completing features on a timely basis

Full Stack Engineer
Develop For Good - Mission Cure

Nov 2021 - Feb 2022
Alhambra, CA

- Collaborated with UI developers and engineers to develop a mobile application in **React Native** for patients diagnosed with pancreatitis
- Spearheaded developer meetings and tasks, taking initiative in discussions and narrowing high priority tasks to be addressed immediately
- Engaged in weekly standups with developers and clients in an Agile framework, documenting requirements for application via **Jira**

Web Developer
Nestegg Inc Website

Jan 2021 - May 2021
Fullerton, CA

- Built and deployed a business website with **React** for a real estate agency
- Deployed Agile approach with client, scheduling reviews and features to implement on a weekly basis
- Leveraged **SASS** and media queries to enable responsive web application

Education

Bachelors of Science, Computer Science

California State University, Fullerton
Graduated August 2021

Aug 2016 - Aug 2021
Fullerton, CA

Skills

Languages: JavaScript(Typescript, Node, React, React Native, jQuery), PHP(CakePHP, Laravel), Python(Django), Dart(Flutter), HTML/CSS, C++