Winggo Tse

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SKILLS

- **Language** – JavaScript ES2020, TypeScript, Python, Java, HTML5, CSS3, SASS, SQL
- **Technology** – React.js, Node.js, Redux.js, REST, Webpack, Babel, Jest, Docker, Git, Firebase, CI/CD, Figma
- **Data** – PostgreSQL, MySQL, Firestore, AWS S3, Redis, MongoDB, Sequelize.js

EXPERIENCE

Helpful Engineering, Frontend Software Engineer – Open Source   04/2020 – Present
- Architected and developed the user side of the Reach4Help MVP, an open-source mobile-first web app built to facilitate a global network of local responses between volunteers, recipients, and community organizations
- Crafted fine-tuned user interfaces and managed application state with *TypeScript, React, and Redux* using the Ducks model architecture for increased modularization
- Handled client-side data integration logic and user authentication using *Firebase* and *TypeScript*
- Designed and developed reusable atomic components for project-wide implementation between modules

Successhub, Full Stack Software Engineer Intern   04/2020 – Present
- Led the development of the client and server side of the Employer Platform using *TypeScript*, *React*, *Node.js, Redux, and* PostgreSQL with the aim of facilitating employers in connecting with graduating university students with matched skillsets
- Designed and developed secure web services using *Node.js, Sequelize.js*, and *Joi.js*, built user-facing components using *React* paired with *Redux* to maintain application state, and implemented RESTful endpoints for integration

Successhub, Software Engineer Intern   01/2019 – 04/2019
- Developed core features on the Success Manager Platform — designed to supplement the university computer science curriculum with real world industry tech stack skills — built on *React, Redux, Node.js, PostgreSQL, AWS* with emphasis on clean code practices and scalability in a startup environment
- Created and refactored internal RESTful API endpoints, authentication and data validation middleware, and services using object-relational mapping (ORM) with *Sequelize.js* to build abstraction layer, thereby increasing database portability and standardization
- Implemented essential features on the front-end by developing custom components with *React* and *Redux*
- Participated in Agile development methodology, documentation, testing and ongoing support of systems

EDUCATION

University of California, Santa Cruz   06/2019
- B.S. Computer Science with Honors in the Major

PROJECTS

Winggo.us, Professional Portfolio   02/2020
- Progressive web app (PWA) to showcase my projects, blogs, photography and development interests in various viewports built with *React*, *TypeScript*, and responsive *CSS*
- Improved first paint, first interaction, and page navigation times through code splitting, lazy loading, and client-side rendering by up to 2x compared to the previous iteration of my portfolio

Newsletter, React Single Page Application   12/2019
- Single page web app (SPA) showcasing my experiences over the past year designed with modern UI/UX
- Developed with *React* and various animation libraries such as *React-spring* to feature smooth transitions and the parallax effect for a diverse range of media types

Glorify, Google Chrome Extension   01/2019
- Chrome browser extension which displays a unique background and message on every new tab load
- Currently in the Chrome Web Store rated 5 stars with over 100 users
- Built with *React* and utilized third party Unsplash API to fetch unique content