Chrystal Lyu

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 GitHub **LinkedIn**

EXPERIENCE

Tempus Ex Machina, San Francisco, CA — *Frontend Web Engineer*

FEB 2021 - PRESENT

- Led developing the company's core product - sports operation SaaS dashboard with *React* and *Typescript*
- Worked closely with QA engineers in *testing* in addition to considering website *cross-browser compatibility* and *accessibility*
- Integrated with both *REST API* and *GraphQL* and had extremely strong *collaboration* skills with the backend team
- Developed separated iOS apps with *SwiftUI*

Alibaba Group, Sunnyvale, CA — *Software Developer Engineer, Frontend*

MAY 2020 - FEB 2021

- Developed android app with *React Native* for team's Human-Computer Interaction lab's machine learning project
- Implemented *Redux* state management tool into app for more efficient debugging and code maintainability
- Engaged actively in providing product feedbacks and suggestions

Reqo Tech, Shanghai, China — *Frontend Engineer*

MARCH 2018 - MARCH 2019

- Customized company's *Shopify* storefront site using Liquid language, to meet product decisions and to improve customer experience
- Executed company's main e-commerce platform migration from Shopify-host to *Magento2*-based and assisted *backend data migration*
- Rewrote self-adaptive *responsive* website (front-end) from ground up with *JavaScript*, *Bootstrap* and *jQuery*

PROJECTS

Board, side project

- [Board](#) is a single-page web app for anything with customizable elements
- Built with *React*, *Redux*, *Typescript*, *Material UI* and *Styled Components*

Kalasearch, side project

- Built Kalasearch's [official website](#) with *GatsbyJs* and *GraphQL* library
- Developed Kalasearch's [dashboard platform](#) with *React* and *Redux*
- Wrote Kalasearch's [Javascript SDK](#) with *TypeScript* using *axios* library
- Built a [Demo App](#) to show off Kalasearch's search engine features with the SDK

Twitterish React, side project

- Built a [twitter-like website](#) with *React* and *Redux*. Matching twitter's design on the pixel level (...as practice and for fun)
- Enabled *authentication* feature with firebase allowing sign in to view your own timeline, tweets as well as posting new tweet
- Wrote simple server side code with *Express* and *Node.js* and Twitter API

SKILLS

Javascript, Typescript, React, React Native, Redux

CSS, SwiftUI, Styled Components, RebassJs

EDUCATION

University of San Francisco
San Francisco, CA
Master of Science
AUGUST 2014 - MAY 2016

University of Toronto
Toronto, ON
Bachelor of Science
SEPTEMBER 2009 - JUNE 2014

LANGUAGES

English, Mandarin, Cantonese