

# ZHENHUA TAN

## Entry-level Software Engineer

+1-415-509-8058

@ chenzhiyin1988@gmail.com

San Francisco, CA

<https://github.com/wahjay>

## NOTEWORTHY PROJECTS

### React Spotify Clone

09/2020 - 09/2020

<https://github.com/wahjay/react-spotify-clone>

Personal Project - React, Spotify API and Firebase hosting

- Created a Spotify web interface similar to the original Spotify using Material UI and CSS
- Made use of Spotify public API to fetch user playlists to populate the frontend
- Built playback slider and volume slider to modify the currently playing song state
- Displayed current song state such as on playing, on pause, and error using conditional rendering
- Managed and shared users data among all the react components using React Context

### React Real-Time Chat

06/2020 - 07/2020

<https://github.com/wahjay/react-real-time-chat>

Personal Project - MERN Stack Web App

- Designed API endpoints for the frontend to interact
- Defined database schema for users information and friendship
- Implemented friend requesting, unread message notification and messaging using socket.io
- Added private messaging in addition to public messaging

### WordPress

03/2020 - 06/2020 University of California, Los Angeles

<https://github.com/wahjay/CS144-Web-Application>

Web Application Project - MEAN Stack Web App

- Wrote API endpoints using Nodejs and Express routing
- Managed user data using MongoDB
- Developed the project as a single page application using AngularJS
- Utilized JWT token for user authentication and API authorization

### Pintos Operating System

06/2019 - 08/2019 University of California, Berkeley

<https://github.com/wahjay/CS162-Operating-System>

Operating System Course Project

- Implemented several Pintos operating system features in C, including interprocess communication, synchronization, scheduling, and fast file system to achieve memory allocation(segmentation, paging), resource allocation, multi-threading and multi-processing
- Collaborated with a team to implement the features
- Wrote testable, readable and maintainable code

## EDUCATION

### Bachelor's of Science, Computer Science

University of California, Los Angeles

2018 - 2020

### Associate Degree, Computer Science

GPA

3.78 / 4.0

City College of San  
Francisco

2016 - 2018

## SKILLS

### Programming Languages

C++

Javascript

HTML

CSS

Ruby

Java

### Libraries & Framework

React

Node.js

Express

Angular

Tomcat

Ruby on Rails

### Database

MySQL

MongoDB

Firestore

### Tools & Platform

Firebase

Gerrit

Netlify

Heroku