Zhenhua Tan

howardtan.netlify.app | chenzhiyin1988@gmail.com | 415.509.8058

EDUCATION

UNIVERSITY OF CALIFORNIA, LOS ANGELES
BS in Computer Science
Jun 2020 | Los Angeles, CA

CITY COLLEGE OF SAN FRANCISCO
AS in Computer Science
Jun 2018 | San Francisco, CA
Major GPA: 3.78 / 4.0

LINKS

Github:// **wahjay**
LinkedIn:// **howardtan**
Portfolio:// **howardtan**

COURSEWORK

Software Engineering
Operating Systems
Computer Systems Architecture
Compiler Construction
Intro to Artificial Intelligence
Intro to Machine Learning
Database Systems
Web Application
Computer Network Fundamentals

SKILLS

PROGRAMMING
Over 5000 lines:
C++ • Javascript
Over 2000 lines:
C • Java • CSS • Ruby
Familiar:
React • Node.js • Express • MySQL
Ruby on Rails • Angular
Tools used:
Firebase • Gerrit • Netilify • Heroku

PROJECT

SORTING ALGORITHMS VISUALIZER | React
Oct 2020 | Personal Project
- Implemented a React web app to visualize some sorting algorithms

REACT SPOTIFY CLONE | React, Spotify API, Firebase
Sep 2020 | Personal Project
- Created web interface using Material UI and CSS
- Made use of Spotify public API to fetch user playlists to populate the frontend
- Implemented a playback slider and volume slider to modify the currently playing song state
- Managed and shared users data among all the components using React Context

REAL-TIME CHAT | React, Node.js, Express, MongoDB
Jun 2020 | Personal Project
- Designed API endpoints for the frontend to interact
- Defined database schema for users information and relationship
- Implemented friend, message and notifications features using socket.io
- Implemented group messaging as well as private messaging

HTTP SERVER | C++, Gerrit, Google Cloud
May 2020 | College Project
- Performed peer code reviews on Gerrit
- Wrote testable,readable and maintainable code
- Implemented proxy caching for the server
- Designed thoughtful API for response and request classes

PINTOS OPERATING SYSTEM | C Language
Aug 2019 | College Project
- Implemented interprocess communication, synchronization, scheduling and fast file system
- Collaborated with a team of four to implement the system

HOBBIES

Basketball • Skiing • hiking • Video games