Zihui Chen

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Objective

An internship or research opportunity that will enable me to contribute real-world tech challenges and sharpen my problem solving skills with computer science knowledge and passion in the industry. I have broad interests, including but not limited to web/app development, big data, game design, backend and distributed system.

Education

San Jose State University San Jose, CA
Bachelor of Science, Computer Science, GPA: 3.94/4.00 Aug.2019 - May.2021
Courseworks: Java, Algorithm and Data Structure(audit)

Ohlone College Fremont, CA
Bachelor of Science (Transferred), Computer Science, GPA: 3.94/4.00 Aug.2016 - May.2019
Courseworks: C++, Object Oriented Programming, Data Structure, Discrete Structure

Skills

- **Programming languages:** C++, Java, NodeJS, Shell Script
- **Web development:** HTML, CSS, Bootstrap, Express
- **Database:** MySQL, Redis
- **System/tools:** Linux, Mac OS, Git, LaTeX, Heroku, Unit Test

Selected Projects

Trader Joe's, https://trader-joe-landing.herokuapp.com Jun.2019 – Jul.2019

- Implemented a single page application using **HTML** and **CSS** to redesign Trader Joe's landing page website.
- Modernized the design style and compatibility of the responsive page by taking advantage of **Bootstrap**.
- Optimized the image loading speed, and increased content availability and redundancy via CDN.
- Deployed the website to **Heroku**.

Dockerize MySQL May.2019 – Jun.2019

- Created **Docker** image and start up **MySQL** container to connect MySQL database container using CLI.
- Learned MySQL CRUD operations, SQL index and basic administration operations.
- Gained an in-depth understanding on data persistence of database with docker volumes.
- Learned more database related knowledge, including scalability, ACID properties, replication, etc.

FreeCell Project (Course Project) Nov.2018 – Dec.2018

- Designed a mini Solitaire game using **C++** as practice of **object oriented** programming using data structures.
- Implemented the Ring Buffer Array to store the deck of cards on the table.
- Also implemented Stack and Queue using Linked List to store cards on hand and sorting place.

Online Survey Project (Course Project) Mar.2018 – Apr.2018

- Implement a simple web program to host a survey for "favorite coffee" in **C++** and HTML.
- Test locally and deployed it to school hosted servers.
- Collected survey data from ~80 user via input forms and generated statistic report about the survey results.