

Chan Lee

Saint Louis, MO

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SKILLS & INTERESTS

Java / JavaScript / ReactJS / HTML / CSS / MySQL / Linux / PHP / Swift / Python / C / C++

WORK EXPERIENCE

Software Engineer Intern | Sobriety Hub

Sep 2022 ~ Present

- Utilized ReactJS and ChakraUI to improve and develop software service that allows the owners of sober living houses to manage and record their residents' information regarding their rents, medication, and more.
- Managed a project to create a user interactive tutorial feature using ShepherdJS library to guide first time users to have better user experience.

Software Engineer Intern (Team Leader) | Dogugonggan Robotics

Jun ~ Aug 2022

- Developed a software web that utilizes real time video communication for N to N users by using Kurento media server and WebRTC communication platform.
- Employed NodeJS to allow users to create server pipelines to ensure users have successfully connected their media.

Teaching Assistant (Data Structures & Algorithms) | Washington University in St. Louis

Jan 2023 ~ Present

- Taught materials to WashU students for course CSE 247 Data Structures & Algorithms where I managed to help students struggling with asymptotic analysis, sorting algorithms, optimal pathways, hash tables, queues, and other data structures.

PROJECTS

Terminal File System

Nov ~ Dec 2022

- Developed a file system that mimics basic terminal file system functionalities including creating files, editing and writing files, removing files, renaming files, and more which can be executed using specific commands (ls, cp, rm etc.)
- Incorporated OOP style of coding by employing visitor and prototype design patterns and using interface inheritance and calling polymorphic functions.

Movie Search App

Oct ~ Nov 2022

- Developed an IOS app in which the users are able to search a title, and the app will gain data from API call to TMDB movie datasource and display the images and titles of the movies in a collection view fashion.
- Enabled favorites functionality where users can add movies to their favorites list; utilized table view to neatly list the favorite movies and utilized property list to store the list locally so that the list doesn't refresh every app launch.

Personal Website

Aug 2021 ~ Present

- Created a portfolio website using javascript, HTML, and CSS to introduce who I am and my projects as a Computer Science student.

LEADERSHIP POSITIONS

WashU Blockchain Society St. Louis, MO

Aug 2022 ~ Present

Lead Developer

- Led the developer team to research, analyze, and code blockchain related projects in order to create a unique transaction system that the whole WashU community is able to flexibly adjust and use.

EDUCATION

Washington University in St. Louis, McKelvey Engineering School, St. Louis, MO

Dec 2023

Major in Computer Science

Cumulative GPA: 3.80 / 4.00

