

CHUXI WANG

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SUMMARY

Seeking a software engineer internship in the summer, 2022.

EDUCATION

University of San Francisco

Aug. 2020 – Dec. 2022

- Master of Science in Computer Science (**GPA: 4.0/4.0**)
- **Courses:** Object-Oriented Programming, Modern System Programming, Intro to AI

University of Pennsylvania

Aug. 2016 – May. 2018

- Master in Biotechnology
- **Courses:** Introduction to Bioinformatics(Python and R), Epigenomics(Python)

Nanjing University

Sep. 2012 – Jun. 2016

- Bachelor of Science in Biological Sciences

WORKING EXPERIENCE

Salesforce.com, Inc.

San Francisco, CA

Software Engineering Intern (Record Access Control)

Jun. 2021 – Aug. 2021

- Developed the Admin UI for Restriction Rules based on RESTful API for admins to manage rules for accessing different salesforce records. Implemented a highly interactive and accessible list view and detail view using the lightning aura framework, which is an MVC framework with a markup view, a JavaScript controller, and a Java model layer.
- This Admin Restriction Rule UI is a highly requested feature by users and resolves a key functionality gap as Restriction Rule is an API-only feature in the previous release.
- Worked with cross-functional team to refactor a large number of lightning aura components, added more interfaces to the components and made them more accessible and forward compatible.
- Maintained and improved the stability of the backend RESTful APIs to create, delete and update Restriction Rule based on Java Spring.
- Designed and developed JavaScript unit testing using a host-agnostic JavaScript test framework xUnit.js for the JavaScript controllers and helpers.

SKILLS

- Programming Languages: Java, JavaScript, Golang, Python, Swift, SQL, C, HTML, CSS, C++
- Databases and Cloud: MySQL, AWS EC2
- Web Development: Java Servlet, Node.js, HTML, CSS, React, Spring, Hibernate

PROJECTS

Minimalist Kitchen: A SPA for Recipe Collection and Shopping [ReactJS, NodeJs, Spring, Hibernate]

- Setup the Repo by leveraging the React official CLI tool, create-react-app and use NPM to manage frontend dependencies.
- Designed the frontend component relationship, determined the data flow and draw component diagram of the single-page application (SPA) before the implementation.
- Used React Router to achieve client-side dynamic routing of three non-shared major components: home page, recipe list view page, and recipe detail page, created the components with Material-UI.
- Implemented callback functions to fetch/post data from/to the backend server with Axios.
- Built the backend APIs that supports recipe listing, searching, categorization, and adding email subscription with Spring MVC.
- Designed database schema to store recipe information and implemented it with Hibernate.

Tinnews: A Tinder-like News App [Android, Java, Kotlin, JetPack]

- Designed the Instagram Flavor News app based on Google Component Architectural MVVM Pattern.
- Implemented the bottom bar & page navigation using the JetPack navigation component.
- Utilized 3rd party CardStackView (RecyclerView) to support swipe gestures for liking/disliking the news.
- Built the Room Database with LiveData & ViewModel to support the local cache and offline model.
- Integrated Retrofit and LiveData to pull the latest news data from a RESTful endpoint (newsapi.org).