

Jiaying Cui

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Skills

Frontend

- **Language:** JavaScript(ES6), HTML/CSS, LESS
- **Frontend Framework:** React.js, Node.js
- **Libraries & Tools:** Redux, Webpack

Backend

- **Language:** Python, Go, SQL
- **Backend Framework:** Django, Node.js
- **Libraries & Tools:** gRPC, Docker, Kubernetes

Co-op Experience

Backend Developer at Carta

Jan.– Apr. 2023

Work on a project that uses python and Django Framework to generate financial reports

- Updated a gRPC API to allow users to do fuzzy filtering search on information in the database
- Participated in the team-side Hackathon with coworkers to create a new gRPC API that allows error information to transfer to another microservice, which gives more transparency on the error data
- Wrote scripts to fulfil customer's requirements on modifying database data or backfill databases caused by database migrations
- Learnt and used Docker and Kubernetes to monitor and interact with the local and testing environments

Frontend Developer at Haojing Technology Co., Ltd

Jan.– Aug. 2022

Use React Framework to build 4 webpages for a Product Introduction website

- Created a custom sidebar component that lights up its index title when the corresponding content is visible on the screen and used throttling to optimize the performance
- Learnt and used React hooks and Redux for state management
- Received training related to network security

Quality Engineering at Economic Insurance

Sept.– Dec. 2020

Helped make automatic test cases for the company website using Mandrel, analyzed and reported testing results

Side Project

Realtime Chatting Website

Sept, 2022

build a chatroom allowing users to log in and sign up and create new chatrooms on the website

- Used React Framework for the frontend chat UI
- Used Node.js for backend request sending and receiving
- Learnt and use socket.io library for messages transfer in real time

Data Analysis Website Project

Jul.- Aug., 2022

Worked with teammates to create a data analysis web application which can connect to different databases

- Used react, redux and apache echarts to render tables and graphs of different datasets
- Worked with backend RESTful API to request and receive data using redux-thunk and async functions
- Used webpack to handle file loading and bundling

Simple Tiktok GoLang Backend Project

May-Jun.,2022

Collaborated with teammates to create the backend for a simple app similar to TikTok using Golang

- In charge of writing APIs for videos publishing and feeding using MVC structure
- Used gorm to interact with MySQL database

Scholarship & Certificate

AWS Certified Cloud Practitioner

Mar. 2022

University of Waterloo President's Scholarship of Distinction

2020

Mathematics International Students Entrance Scholarship

2020