

Kexin (Charlotte) Zhu

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WORK EXPERIENCE

Web Developer Intern, Form Swim

Aug– Dec 2019

- Full-stack feature development for internal developer tool using Node.js and Vue.js.
- Designed and implemented REST APIs that interface with client-side mobile apps.
- Developed social media feature for promoting sponsored athletes, increasing user engagement with sponsored users by 30%.
- Implemented heart-rate monitoring syncing feature allowing users to view analytics on their swimming heartrate from the smart swim goggles and mobile app.
- Refactored Mocha integration tests and improved execution speed by 10%.

Software Developer Intern, Change Healthcare

Jan – Aug 2019

- Developed new features and maintained old versions for a medical imaging workflow web app with ASP.NET backend and MySQL database.
- Implemented and debugged clinical data transfer configuration tool, ensuring successful messaging between clinical web apps.

Software Developer Internship, Sogou Inc

May – Aug 2018

- Android development for youth safety and communication mobile application.
- Implemented UI design features to scan QR codes for pairing with smart watches.
- Updated pairing screen view for connecting Android app to smart watch.
- Participated feature design decisions with UI/UX designers.
- Performed QA for picture and voice translation of Sogou translator device.

PROJECTS

Meeting Transcription Web App (HSBC sponsored)

Jan 2020

Typescript, React.js, Google Cloud Platform

- A full-stack web app that transcribes audio and generate meeting minutes.
- Designed microservice architecture backend and deployed to Google Cloud.

UBC Courses and Building Information Web App

Dec 2018

Typescript, Node.js

- A full stack web app with a query engine that filters UBC courses and buildings.
- Adapted the project to provision REST endpoints.
- Parsed HTML and JSON data according to queries and enabled result computation. Used Mocha Test Environment with Chai Expectations for black box testing.

Android Camera and Gallery App

Dec 2018

Java

- An Android app for taking photos with filters and viewing media files.
- Used Android Camera API for auto-adjusting or user-defined resolutions.
- Used WeChat API to allow users to share photos or send them to chats on WeChat.

BusRUs Android App

Dec 2016

Java

- An Android app for the Vancouver Translink system to help users find buses and bus stops on a 2D map by parsing JSON data and plotting using Google Map API.

EDUCATION

University of British Columbia
BSc Mathematical Sciences
Sep 2015 – May 2020

SKILLS

Languages

Java
JavaScript
TypeScript
HTML/CSS
Python
C#

Frameworks

Node.js
Express.js
React.js
Vue.js
ASP.NET

Tools/Technologies

Git/Github
MySQL
VisualStudio
IntelliJ
Android Studio
Matlab

AWARDS

- UBC
Outstanding International Student Award
Scholarship
- College Board
Advanced Placement Scholar with Distinction
- Camford School
Excellence Award
Scholarship