




YIFAN MA

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 (647) 9707809

Skills

Web

React • Angular

Mobile

Android • React Native

Server

RabbitMQ • Tornado • Node.js

Database

MySQL • MongoDB

Programming

Python • C++ • Java

Tools

Docker • Jenkins • Kubernetes

Education

Bachelor of Software Engineering

2015 - 2020 | University of Waterloo

Awards

Honours Standing in CCC

2015 | University of Waterloo

CS Subject Award

2014 | The Woodlands School

Interests

Varsity Badminton Team

2015 | The Woodlands School

RCM Piano Celebration Series

2015

Experience

Fivestars, Software Engineer

May 2018 - Aug 2018 | San Francisco, California

- rewrote the primary loyalty product with React and Cordova
- added key architecture such as Redux-Saga middleware and hardware abstraction
- automated builds and deployment with Docker, Kubernetes, Jenkins, and Grunt

TribalScale, Agile Software Engineer

Sep 2017 - Dec 2017 | Toronto, Ontario

- created an Alexa skill builder web app with the Alexa SDK, React, Node.js, and MySQL
- implemented a mock API in Node.js with a web UI to manage the API's data
- reworked an Android app's notification system and added restaurant reservation features

Imagine Communications, Full Stack Web Developer

Jan 2017 - Apr 2017 | Waterloo, Ontario

- refined an AngularJS and LESS content management web app
- implemented a reusable messaging system using WebSockets
- updated many of the Jasmine unit tests

Metal Trading Co., Front-end Web Developer

May 2016 - Aug 2016 (part time) | Remote

- built the front-end for a marketplace web app in Angular2
- created a server with Node.js and socket.io for real-time trading

AAFC, Computer Programmer

May 2016 - Sep 2016 | Harrow, Ontario

- improved the performance and analytics of a VB.NET graphing application
- created an automated environment for integration testing

Projects

Gomoku

- board game created with React, Tornado, and Node.js
- communicates using WebSockets, HTTP, and RabbitMQ for multiplayer
- stores game data in MongoDB

Reddit Couplet Bot

- Python bot that parses Reddit comments for couplets
- uses heuristics to count syllables and determine rhymes

Note Heads

- React Native note-taking app inspired by Facebook's Chat Heads
- floats the notes on the foreground so they are easily accessible

Inventory Slackbot

- Node.js project that interacts with Slack's API
- allows users to manage inventory from Slack