Jeffer (Jingfei) Peng

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2B Candidate for Bachelor of Computer Science

Personal Website: https://jingfeipeng.github.io/

QUALIFICATION SUMMARY

- Extensive programming experiences in *C, C++, ES6 JavaScript*
- Work experiences in *React Native, Redux, HTML, CSS, JavaScript, PHP* and *SQL*
- Familiar with **React.js, Node.js , Express.js , MongoDB** (**Mongoose**), **Java, SQL**
- Tools: **Linux Bash Shell, Git, Tortoise SVN, Vim, IntelliJ IDEA, XCode, Android Studio**
- Confident of working independently and takes strong Initiative to work
- Capable of quick adaptation and acquiring new skills through self-study
- Excellent problem-solving, mathematical and analytical skills obtained through school and Coop

WORK EXPERIENCE

Software Developer at **Marsh & McLennan Companies**   Jan 2019 - Apr 2019

- Independently worked with **React Native**, **Redux** to build a mobile app that fetches data for **500** internal users
- Worked extensively with **REST API** by making asynchronous web API calls in **React Native**
- Familiarized with **Agile** Software Development cycle and pushed the app to **production**

Web Developer at **Perfect Financial Solutions Ltd**   May 2018 - Aug 2018

- Created the **full-stack** of a client information system for the company to safely store and modify client files.
- Wrote a login system with authentication and Forgot Password feature using **PHP** and **MySQL**
- Wrote a **PHP** program to manage a large **SQL** database with information of more than 200 clients
- Used **HTML5, CSS3, JavaScript, jQuery** and **Bootstrap 4** to build front-end user interface

PROJECTS

Energy Station
A mobile app featuring user authentication, manipulating to-do list activities, and users' friend list management

- Used **React Native** & **Redux** to build a mobile app with **10+** screens and **20+** react components
- Created backend server using **Node**, **Express**, **Mongoose** to handle 10+ REST APIs used in the app
- Created **middleware** functions to log errors, authenticate users, and handle exceptions

Biquadris
A two players competitive, graphical Tetris game composed of 4 levels, 7 types of blocks and special trigger events

- Applied **observer** pattern between block and cell class, and cell and view class to reflect graphic changes
- Overall Structure designed based on **factory** and **MVC** design patterns and single responsibility principal
- Implemented **Polymorphism** with pure virtual Level and Block classes and dynamic dispatch at runtime

Web based Twitter clone
A Twitter clone Implemented based on **MVC framework** using **PHP, SQL, Ajax** and **Bootstrap 4**

- Used **PHP** and **SQL** to manage user database so user can follow others, send tweets and view news feed
- Incorporated **Bootstrap 4** for building UI and used **Ajax** to submit data obtained from UI to PHP codes

EDUCATION

University of Waterloo - Candidate for **Bachelor of Computer Science**   Sept 2017 – Present

- Courses: Object-Oriented Software Development, Elementary Algorithm Design and Data Abstraction
- Recipient of *Linda Young Scholarship* for academic excellence and strong leadership