

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, HTML5, CSS3, JavaScript, PHP, jQuery, Bootstrap 4** and **SQL**
- Familiar with **React.js, Node.js, Express.js, MongoDB (Mongoose), Java**
- 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

WORK EXPERIENCE

Software Developer at Marsh & McLennan Companies

Jan 2019 - Apr 2019

- Independently developed a mobile app using **React Native & Redux** that searches business data for **500** users
- Made **REST API** calls in **React Native** to fetch data to and increased maintainability of the call API code by **50%**
- Implemented **searching** and **viewing** client and billing information and simplified the search flow code by **40%**
- Developed "**favoriting and saving data**" feature to improve the user experience in searching process

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 **SQL**
- 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 manage user's friend list

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

Sept 2017 – May 2022

Candidate for **B.S. Computer Science** with **Business** option

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