

# Jeffer (Jingfei) Peng

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**2A Candidate for Bachelors of Computer Science**

**Personal Website:** <http://jingfeipeng.tech>

## QUALIFICATION SUMMARY

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- Strong programming experiences in **C, C++**
- Basic familiarity with **React JS, Java, Python, MS SQL Server**
- Practical work experiences in **HTML, CSS, JavaScript, Php** and **MySQL** obtained through Coop
- Proven ability to learn and work independently and in a team
- Excellent problem-solving, mathematical and analytical skills

## WORK EXPERIENCE

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### Web Developer at Perfect Financial Solutions Ltd

May 2018 - Aug 2018

- Created a web-based client information storage system where the company can store, delete and modify client files in each client folder.
- Built a login system via which clients can view their files
- Used **PHP** to manage **MySQL** databases that were setup to store information of more than 200 clients
- Used **HTML, CSS, JavaScript, jQuery** and **bootstrap** to build smooth front-end user interface

## PROJECTS

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### **C based projects:**

- *Sudoku*: Developed a Sudoku game with textual user interface and utilized a backtracking algorithm to allow the game to display the solution to any Sudoku problem
- *Hangman*: Developed a hangman game with textual user interface and proper game mechanics
- *Maze Solver*: Used the right-hand wall follower algorithm to develop a maze solver that displays the solution to any maze problem

### **Python based project:**

Developed a shooting game project with Pygame using object-oriented programming techniques

- Contains a graphic user interface that allows player to select map, save progress and provides a game guide.
- Capable of controlling a character on a map to shoot at enemies that will attack the character
- Features a shop for upgrade and purchases to increase attack, mobility and health of the character

### **C++ based project:**

Developed a text-based hotel management UI system using object-oriented programming techniques

- Able to add, modify, delete, and display occupant information such as name, room number, entry date, and charges

## EDUCATION

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### University of Waterloo

Sept 2017 - Present

Candidate for **Bachelor of Computer Science**

- Recipient of **Linda Young Scholarship** for academic excellence and strong leadership
- Recipient of **President's Scholarship of Distinction** for achieving 95%+ admission average

## CERTIFICATIONS

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**CPA: PROGRAMMING ESSENTIALS IN C++ | C++ INSTITUTE**

Jan 2017

**SAS Programming 1 Certificate | SAS**

May 2017