

# Chun Kit (Calvin) Li

4B Computational Mathematics and Statistics | University of Waterloo

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## Work Experience

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### The Education University of Hong Kong

Sept. 2019 - Dec. 2019

#### IT Intern | Office of the Chief Information Officer - Student Administration Team

- ◆ Created data froms for the new school system based on the old system by using **Java**, **XML**, and **PL/SQL**
- ◆ Experimented on coding the new school system to help increased the speed of development
- ◆ Helped writing the technical documentation for the new school system development

## Education

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### University of Waterloo

Sept. 2016 - Present

#### Candidate for Honours Bachelor of Mathematics, Major in Computational Mathematics and Statistics

- ◆ University of Waterloo President's Scholarship (for 90 - 95 admission average)
- ◆ **Relevant Coursework:** Object Oriented Programming, Algorithms, Data Structures, Database, Linear Algebra, Linear Regression, Differential Equations, Calculus, Mathematics Models, Probability, Physics

## Skills

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- ◆ Experience in Object-Oriented Programming with Java, C++, and Python
- ◆ Proficient in building front-end websites with HTML, CSS, and JavaScript
- ◆ Familiar with SQL, Pascal, R, C, Scheme (Racket), MATLAB, SAS, MIPS, and Unix Command Line (Bash)

## Selected Projects

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### Sudoku Killer (Self Developed)

May 2020

- ◆ Used **Java** to implement a **backtracking** method for solving Sudoku game
- ◆ Added opening text file function such that user can make their own Sudoku game and pass it by argument

### Personal Website (Self Developed)

Sept. 2017 - Present

- ◆ Used **HTML**, **CSS** and **JavaScript** to create a responsive website for displaying my projects
- ◆ Used **JavaScript** created a rainfall animation and it will resize itself when the brower has been resized

### Quadris (Collaborated)

Nov. 2017 - Dec. 2017

- ◆ Final project from university course CS 246 - Object-Oriented Software Development
- ◆ Used **C++** to develop a Tetris-like game in Unix by using observer pattern and smarter pointers only
- ◆ Obtained 92% for this project

## Activites and Interest

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Member of Computer Graphics Club

Jul. 2019 - Present

Volunteer for StarterHacks 2019

Jan. 2019

Member of Statistics Club, University of Waterloo

Jun. 2018 - Present

Member of Data Science Club, University of Waterloo

Jan. 2018 - Present

Participant for Google Puzzle Game at University of Waterloo

Oct. 2017

Participant for Hack the North 2017

Sept. 2017