Chun Kit (Calvin) Li

4B Computational Mathematics and Statistics | University of Waterloo

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Work Experience

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

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

- 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

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

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*