Chun Kit Li

3B Computational Mathematics and Statistics | University of Waterloo
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Chun Kit (Calvin) Li | vertli

Education

University of Waterloo *Sept. 2016 - Apr. 2021 (expected)*

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, Linear Algebra, Calculus,Mathematics Models, Linear Regression, 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 Pascal, R, C, Scheme (Racket), MATLAB, SAS, MIPS, and Unix Command Line (Bash)

Projects

Personal Website (Self Developed) *Sept. 2017 - Present*

- Used **HTML**, **CSS** and **JavaScript** (without using any framework or library) to create a responsive website for displaying my projects, artworks, and some course notes
- 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 unversity course CS246 - Object-Oriented Software Development
- Used **C++** to develop a Tetris-like game in Unix system with graphical user interface (GUI) by **X-window**
- Added a "Hint" feature which display the Cartesian coordinate for next relative best move to the player
- Used observer pattern and only used smart pointers
- Obtained 92% for this project

Trackr (Collaborated) *Sept. 2017*

- Group poject from Hack the North 2017
- Users upload a photo (or use camera to take a photo), and Trackr will compare the photo with other photos in the database, then return the highest similar photo to users
- Developed with **Microsoft Azure's facial detection API** and **tracking.js**; this was the first time to work with API and JavaScript

Activites and Interest

Volunteer for StarterHacks 2019 *Jan. 2019*
Member of Statistics Club, University of Waterloo *Jun. 2018 - Jul. 2018*
Member of Data Science Club, University of Waterloo *Jan. 2018 - Apr. 2018*
Participant for Google Puzzle Game at University of Waterloo *Oct. 2017*
Participant for Hack the North 2017 *Sept. 2017*
Mentor for Hour of Code at Father Michael McGivney Catholic Academy *Nov. 2017*