

# King Lai

Computer Science Student

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## Education

### Honours Bachelor of Science, Computer Science

University of Toronto Scarborough

2019 - present

## Experiences

### Physics Club Treasurer

AY Jackson Secondary School

09/2018 - 06/2019

- Managed and kept track of the Physics Club finances including total expenses, revenue, profit, and budget.
- Determined how to effectively spend club budget for large events such as food fairs, club parties, and materials for physics demonstrations.
- Organized and stored receipts to be reimbursed by the school.

### Table Tennis Team Captain

AY Jackson Secondary School

04/2017 - 05/2018

- Brought team performance to gold standards by coaching team members and bringing a positive atmosphere.
- Communicated with the coach about team strategies, tactics, and performance.
- Responsible for setting up table tennis tables and organizing equipment.

### Volunteer at Recreation Center

Vantage Recreation Center

07/2018 - 08/2018

- Managed a private condominium recreation center by signing residents into a logbook, guide residents to the swimming pool and unlock the door, cleaned exercise equipment, and booked desired facilities for residents.
- Maintained the swimming pool by checking the clarity of water and monitoring the acidity of water at regularly timed intervals.

## Awards and Achievements

Toronto Team Table Tennis City Champion

2017, 2018, 2019

Junior and Senior Jazz Ensemble (*Soloist*)

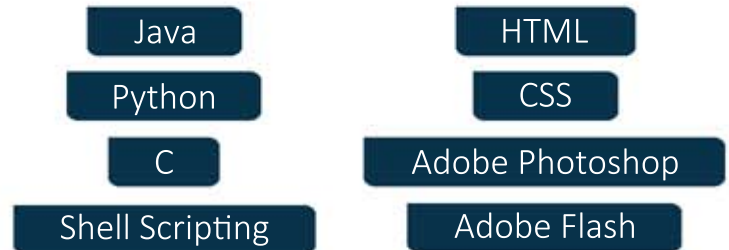
09/2017 - 05/2019

Royal Conservatory of Music Gr.8 Piano Certification

*First Class Honours with Distinction*

2015

## Key Competencies



## Projects

### Puzzle - Minecraft Server Manager

05/2020 - present

- A server manager for the game, Minecraft. Its purpose is to start, stop, backup, restore and maintain the server.
- It performs the backups by copying and pushing the Minecraft world files into a Subversion repository hosted on a Raspberry Pi 4.
- It will only store a determined number of backups on the repository, deleting the oldest backup to make space for the new one, which saves over 10TB of storage each month.
- Written in Bash on the Linux Terminal using Vim, featuring a user-friendly menu for easy server management.

### Website Development - MediaTube Corp.

05/2019 - present

- Designed and created a website to spread information about a company's cause and to display important documents.
- Implemented a minimalistic and mobile-friendly design.
- Used Core-FTP and Notepad++ to host, update, and maintain the website.

### Dotted - Puzzle Game

10/2017 - 01/2018

- Developed a fun puzzle game in Java, which implemented recursive and memory saving techniques.
- Constructed test cases to detect errors and traced memory models to analyze efficiency of algorithms and debug code.
- Designed and created the graphics in the game using Adobe Photoshop.

## Languages

English and Cantonese