King Yan Lai

Computer Science Student

✉ king.lai@mail.utoronto.ca 📱 647 247 3898
🖥 www.kinglai.dx.am 🔗 https://www.linkedin.com/in/kinglai23/
📍 Toronto, Ontario 🐙 https://github.com/KingLai23

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
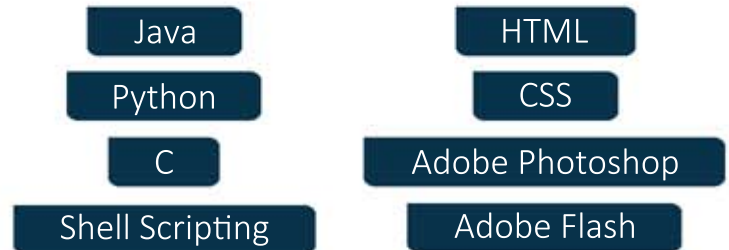2017, 2018, 2019

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

Java
Python
C
Shell Scripting

HTML
CSS
Adobe Photoshop
Adobe Flash

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 implemeneted 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