

## Personal Information

### Phone

(647) 528 - 1092

### Email

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### Website

xu-gillian.github.io

## Technical Skills

### Programming Languages

Javascript, C, Racket,  
Java, Python, HTML, SQL

### Frameworks/Libraries

Bootstrap, React.js,  
ReactNative

### Tools

Git, MySQL,  
Visual Studio Code

## Interests

Frisbee, Piano,  
Bullet Journaling

## Languages

English, French, Chinese

## Projects

### Harmonyy

*Harmonyy is a platform for users to send real-time messages and play interactive games .*

- Designed an interactive user interface using HTML, CSS and Javascript.
- Developed game using Javascript where users can illustrate given word on a canvas and other users guess the word.
- Created real-time messaging system using Node.js where users are connected and messages are sent through the server and websockets.
- Created a login system using mySQL to store user login data, such as authentication tokens.

### YuMyUm

*A web app for users to order food from a menu and view total order in the cart.*

- Designed a menu for users to add the desired number of an item to their cart.
- Created modal overlay to display order where users can edit items for adjustments.
- Used hooks to update the state of the cart when items are added and removed.
- Developed using React.js, JSX, CSS and deployed with Github Pages.

### Expense Tracker

*A web app for users to track annual expenses by adding purchases and visualizing spending per month.*

- Using components, designed a chart that could display monthly expenses for a given year.
- Developed using React Components, incorporated JSX and CSS and deployed with Github Pages

### Snake

- Programmed a game where the length of the snake increases with every food intake.
- Developed using Python - pygame.

## Work Experience

### Unison Piano

Toronto, ON

*Customer Service Representative*

Sep 2016 – Aug 2020

- Liaison between and teachers, co-workers and 200+ students to ensure quality lessons.
- Managed 1000+ inventory in the store and maintained a consistent supply of books for students.
- Introduced 40+ new students to learn with out teachers.

## Leadership Experience

### Kids Are Scientists Too

Toronto, ON

*President*

Sep 2018 – Jun 2020

- Taught a group of 50+ young students lessons to inspire them interpret science more creatively.
- Planned and created 20+ weekly experiments that showcased different properties using daily household items.
- Expanded the program to local elementary schools so that more students could learn.

### Ultimate Frisbee

Toronto, ON

*Student Coach / Captain*

Sep 2018 – Jun 2020

- Coached 100+ players and created drills and practice plans to build the team foundation.
- Led the team to win 3 tournaments and finished as finalists for 4 tournaments.

## Education

### University of Waterloo (3.86 GPA)

Waterloo, ON

*Bachelor of Computer Science*

Sep 2020 – Apr 2025

- President's Scholar (2020) – Awarded to students with entrance average of 95%+ (4.0 GPA)
- Relevant courses: Elementary Algorithm Design and Data Abstraction, Designing Functional Programs, Object-Oriented Software Development, Logic and Computation