

# Xinyi (May) Liu

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## PROGRAMMING LANGUAGES AND TOOLS

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### Languages:

Python, Java, C, Latex, HTML, CSS and JavaScript, PostgreSQL (and relational algebra)

### Operating systems:

Windows, Linux

### Tools:

GitHub, Android studio, Eclipse, TexStudio, Photoshop

## PERSONAL SKILLS

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- Good work ethics and responsible
- Teamwork and collaboration
- Excellent communication skills, bilingual in English and Mandarin
- Project management
- Critical thinking

## PROGRAMMING EXPERIENCES

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### 'Invading hamster' Java game

Summer 2016

- Designed the game algorithm and created a game written in Java.
- Worked on the front end and build a simple game engine to display characters and animations.
- Designed the characters and used Photoshop to edit character and background images.

### Phony mosaic android app

Fall 2015

- An android app that receives the instructions from the server, displays color pixel on corresponding device with associated location.
- Worked on front end using Android Studio to collaborate with servers and clients.
- Use multiple devices to create a mosaic.

## **WORK EXPERIENCES**

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### **LTPB Communication Team**

September 2015 – March 2016

- Assist younger adults to quit smoking.
- Run weekly booth to promote health and wellness on campus.
- Run walkabouts to raise awareness about risk of smoking to create a smoke free environment.
- Collaborate with other health programs and hold large scale events to raise awareness on physical and mental health.

### **House manager**

September 2015 – March 2016

- Create a mature and supportive community for the residents.
- Communicate between the office and the residents to ensure messages got delivered both directions.
- Communicate between residents to maintain a harmonious atmosphere in the house and avoid conflicts between the residents.
- Maintain the order and cleanness in the house and order supplies from the office.

## **VOLUNTEERING EXPERIENCES**

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### **University College tour guide**

Fall 2014 to Winter 2015

- Lead tours on college residence enthusiastically to the perspective students and their families.
- Shared my positive college residence experience with the guests and answered doubts from them.

### **Hart house farm committee member**

March 2015 – Winter 2016

- Collaboratively work with staff advisor, committee secretary and external stakeholders to deliver social events such as farm trip.
- Hold large scale farm social events and lead farm tours.
- Attend regular committee meeting to plan for the upcoming events.

## **EDUCATION**

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### **Post-secondary education**

2014 – present

In 3<sup>rd</sup> year studying computer science at University of Toronto

### **High school education**

2011 – 2014

International Baccalaureate Diploma