

# ROSE LIN

Computer Engineering | University of Waterloo

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## PROJECTS

### Pinpoint

Python, Pygame, Google Cloud Vision API

Constructed an application that is able to identify objects from a picture

Implemented with Google Cloud Vision API and Python. The GUI was created using PyGame

### Personal Website

HTML, CSS, JavaScript

Created a personal website showcasing skills, interests, and projects

Used HTML and CSS to create the basic layout of the website. Additional animations were written in JavaScript

### Doodle

Java, JavaFX, Sockets

Developed a peer-to-peer multiplayer game using basic client-server networking principles and sockets

Employed JavaFX to create a graphical user interface that featured a drawing pad, word bank, and communication platform

### SuperShooter

Python, Pygame

Programmed a 2D-platform shooter/combat game in Python

Utilized Pygame to create a GUI that supported dynamic buttons, mouse/keyboard inputs, and game animations

## ACHIEVEMENTS

- WLMAC Programming Gala 2018 - 2nd Place
- DECA Internationals 2017, 2018: 7th Place
- Hypatia, Fermat Math Contests: Distinction

## EDUCATION

1B Computer Engineering, Co-op  
2024 Candidate for B.ASc

## SUMMARY OF SKILLS

### General

Java · Python · C++

### Web

HTML · CSS · JavaScript

### Other

Git · Google Cloud API · MS Excel · PyGame

## EXTRACURRICULARS

### Don Mills Student Council

September 2017 - June 2019

- Fundraising Director
- Coordinated financial activities--including fundraising, reimbursements, and budgeting

### Don Mills Peer Tutoring

September 2016 - June 2019

- President of Don Mills Peer Tutoring
- Managed logistical activities and implemented a system to automate the tutor-tutee matching process using MS Excel

### Don Mills Model United Nations

September 2016 - June 2019

- President of Don Mills United Nations
- Handled all logistical elements for annual flagship Don Mills Model United Nations conference

## WORK EXPERIENCE

### Kumon Learning Centre

September 2019 - August 2019

- Teaching Assistant
- Through the creation of customized lesson plans catered to the students' learning habits, the centre saw a significant growth in academic improvement in both English and Mathematics