ROSE LIN

Computer Engineering | University of Waterloo

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LANGUAGES & TOOLS

Java · Python · C++ · HTML · CSS · JavaScript · Git · Appium · Selenium · Jenkins · Salesforce · Google Cloud API · PyGame · Agile Methodology

PROJECTS

Pinpoint
Python, Pygame, Google Cloud Vision API

Constructed an educational application that helps users identify various objects from photos

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

EDUCATION

2A Computer Engineering, Co-op
2024 Candidate for B.ASc

WORK EXPERIENCE

QA Tester | Newtopia Inc.
May 2020 - August 2020

- Developed new mobile and web automation frameworks using **Selenium**, **Appium**, and **Java** for crucial company platforms such as the registration portal and mobile app
- Created test scripts to automate testing for **Salesforce** elements and APIs to increase the reliability and accuracy of company products
- Reduced manual UI testing times by **90%** through automation testing
- Led manual testing for a new internal platform that allowed company employees to organize meetings and access client data

EXTRACURRICULARS

Don Mills Student Council
September 2017 - June 2019

- Fundraising Director
- Coordinated financial activities--including fundraising, reimbursements, and budgeting for school clubs and events

Don Mills Model United Nations
September 2016 - June 2019

- President of Don Mills United Nations
- Handled all logistical elements--such as participant registration and committee training/organization for annual flagship Don Mills Model United Nations conference

ACHIEVEMENTS

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