

# JESSICA CHEN

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## SKILLS

**LANGUAGES & TOOLS** – Python, Java, JavaScript, C, C++, HTML, CSS, Linux, Bash, Git, Jira, MongoDB, Photoshop, Figma

## EDUCATION

**UNIVERSITY OF WATERLOO** | Waterloo, ON | *Candidate for Bachelor of Computer Science* | Sept 2022 – April 2027

**VINCENT MASSEY SECONDARY SCHOOL** | Windsor, ON | Sept 2018 – June 2022

## WORK EXPERIENCE

**PHARMACY ASSISTANT – YEE PHARMACY** | Sept 2021 – March 2022

- Worked with the lead pharmacist by providing English to Mandarin translations for patients
- Strong organization skills developed from keeping track of medication expiry dates, packaging medication into capsules, and updating the medicine inventory

**SOFTWARE TESTER – NICOYA** | May 2023 – August 2023

- Designed and ran manual regression test cases for each software update
- Designed **Python** scripts with **Pandas** and **Matplotlib**, increasing efficiency of testing scientific data by 20%
- Created a website using **HTML/CSS/JS** that collects ticket information from Jira to aid the software team in tracking progress on release

## LEADERSHIP ROLES

**SCIENCE OLYMPIAD LEADER** | Sept 2021 – June 2022

- Organized weekly-science activities, both online and in-person, in the school's biggest STEM-based club
- Prepared students for the UWindsor Science Olympiad Contest by creating challenging teamwork problem sets

**RELAY FOR LIFE ENTERTAINMENT ORGANIZER** | Feb 2021 – May 2021

- Demonstrated strong collaboration skills by working in a virtual team environment under a tight deadline
- Coordinated and organized an art fundraiser for the cancer charity and raised over \$300

## PROJECTS

### LINGOVISION

- Hack the North 2022 Finalist – created an audio translator with AdHawk MindLink's eye-tracking glasses
- Detected text using **Google Cloud** Vision API, translated it through DeepL API, then projected the text using Google's text-to-speech (gTTS)
- Demonstrated design skills by using **Figma** to create a skeleton of the website

### TRIALS OF XYLIA

- An adventure game developed using **Pygame** with original character designs and story
- Implemented a scrolling introduction and in-game physics (player interaction with moving obstacles and platforms, bullets from the space shooter)

### SUSHI PAINT

- A reimagination of MS Paint with a sushi restaurant theme made with **Pygame**
- Implemented undo/redo stacks, lantern buttons with 3 states (normal, hover, pressed), import/save tool

### FROGGER

- A remake of the arcade game using object-oriented programming principles in **Java**

## INTERESTS

- Digital art, creative writing, piano, acapella, design, cooking, reading, board games, going on walks