

## Education

**BSc with Specialization in Computer Science, Minor in Music**, *University of Western Ontario*

Relevant Courses: CS 3305 – Operating Systems, CS 2211 – Software Tools and Systems Programming

## Technical Skills

**Languages** English (native), Mandarin (native), Cantonese (native)

**Applications** Java, Python, HTML, CSS, JavaScript, MySQL, R, UNIX, LaTeX

**Software Suites** MEDITECH Expanse, Google Apps Scripts, Microsoft Office Suite, Google G-Suite, Adobe Creative Suite

## Work Experience

06/2022–08/2022 **IT Intern**, *Markham Stouffville Hospital*, Markham, Ontario

- **Assisted** with major preparation and upgrade for a new Hospital Information System using Meditech.
- **Identified** bugs/flaws through specific **software scenarios**, **negative testing**, and **bug/error retests**.
- Aided in the training requirements and activities of the digital-training development for Meditech.
- Provide **post-live training** and support to all new and returning Physicians and Healthcare workers.
- Assisted Physicians with instant feedback for new system development.

06/2021–02/2022 **IT Technical Support**, *Cornerstone Chinese Alliance Church*, Toronto, Ontario

- **Automated** the entire invoice process for multiple summer camps utilizing **Google Apps Script**.
- Built a custom script that **tracked** internet speed abnormalities using **Python**.
- **Terminate** and splice CAT5 and CAT6 PoE cables.
- Repaired, installed, and **maintained** cable systems.
- **Managed back-end** and **front-end** website development utilizing WordPress **CMS platform**.
- Troubleshoot and **resolved** web application issues.
- Provided base-level IT support to non-technical personnel within the company.

## Projects

11/2022 **Period Pal**, *Hack Western 9*

- **Spearheaded** a Women's period cycle tracker from concept to implementation.
- Utilized **JavaScript**, **CockroachDB**, and **NodeJS** to create the application's back end.
- **HTML** and **CSS** were used to display a minimalist front end to the user.
- **JavaScript** was used to implement user methods and a mathematical function that predicts when the next period is.
- **NodeJS** was used to connect the application to CockroachDB.

05/2022 **Sorting Algorithm Visualizer**

- Created a sorting algorithm visualizer using **Python**.
- User can select a sorting algorithm to visualize.
- Utilized the **Pygame** library to implement a **GUI** (Graphical User Interface) for the visualizer.
- Implemented **Bubble sort**, **Insertion sort**, and **Ascending and Descending sort**.
- Sorting Algorithm Visualizer can be used with any sorting algorithm.

11/2021 **Fren-On-A-Phone**, *Hack Western 8*

- Led a team of Software Engineers to build a mental health **AI sentimental Chat Bot Web Application**.
- Integrated **JavaScript** with **Monkey Learn Text API** to **automate text analysis** with **Machine Learning**.
- Utilized the **React Chat Bot Kit API** to create a bot the user can interact with.
- **HTML**, **JavaScript**, and **CSS** were used to develop an aesthetic front end.

## Awards and Certifications

04/2018 Western Scholarship of Excellence (Achieved 90% entrance average)

04/2018 Western Music Entrance Scholarship of Merit

## Interests

**Interests** Travelling, Reading, Music, Cooking, Volleyball, Cycling, Photography, Camping