

# Yan Qing Lee

leeyanqing2004@hotmail.com ❖ (647)-675-6827 ❖ Toronto, ON

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## EDUCATION

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### University of Toronto

*Honours Bachelor of Science (HBS) in Computer Science, Psychology*

**June 2026**

3.99 GPA

### International School of Kuala Lumpur

*International Baccalaureate (IB) Diploma*

**June 2022**

44/45; 6.8 GPA

## RELEVANT SKILLS

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**CS Languages:** Python, Java, C | **Other:** Pandas, Tensorflow, Keras, NumPy, Clean Architecture, Jupyter, Pytorch, Design Patterns, SOLID Principles, Github, Unix, API

## COMPUTER SCIENCE-RELATED PROJECTS

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### AI and Machine Learning in Medical Imaging – Research Opportunity Program

**May – Aug. 2024**

*Department of Medical Imaging at University of Toronto*

- Led a research project: is receiving a false-positive breast cancer mammography result by a radiologist and by an AI breast cancer detection model associated with a higher risk for breast cancer in a future screening?
- Trained a ResNet50 model on 2,000 images and ran an already-trained Convnext-small model on Jupyter and Kaggle using a CUDA GPU
- Worked with Tensorflow, Keras, Pandas, Numpy, and Pytorch; worked on Ubuntu; conducted literature research, designed methodology; worked with EMBED breast cancer dataset consisting of 53,084 images

### SafeWalk AI | JavaScript

**February 2024**

[https://github.com/assem449/safe\\_walk\\_ai](https://github.com/assem449/safe_walk_ai)

- In a team of 4, built a React application aimed to increase the safety of women travelling alone; used Geoapify API and ClickSend API; learned JavaScript and the basics of React apps from scratch within 48 hours
- Implemented “text-me-when-you’re-home” functionality: user can input a friend’s number, location and expected time of arrival (ETA); at ETA, the program checks user’s current location and sends an SMS to user’s friend’s number regarding whether user has arrived at expected location or not
- Completed within 48 hours, as part of ElleHacks 2024 Hackathon competition at York University

### Digital Cookbook Application | Java

**Sept. – Dec. 2023**

<https://github.com/wwdddddnnn/CSC207-API>

- In a team of 4, designed and built an application for searching and saving recipes, and creating meal plans
- Implemented functionality of searching recipes and viewing user’s meal plan, using Spoonacular API calls
- Refactored code so it abided by SOLID principles, and Clean Architecture, and implemented design patterns

## VOLUNTEER EXPERIENCES

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### University of Toronto Artificial Intelligence Club – Conference Team Associate

**Sept. 2024 - Present**

*University of Toronto Student Club*

- Planning the annual ConferenceX; inviting start-ups and notable figures as panelists, and planning showcases to bridge the gap between AI and newcomers to the field; past attendees of ConferenceX include Geoffrey Hinton, Tomi Poutanen, and more

## **Social Perception and Cognition Lab, UofT – Research Assistant**

**Jan. – July 2024**

*Lab in the Department of Psychology at University of Toronto*

- Supported researchers by running participants through social perception experiments, conducting psychological literature reviews, and participating in discussions of ongoing research in the lab
- Part of the Data Organization Team; organizing and cleaning >11000 participant demographic data in Excel

## **UofThrifts – Founder, Co-Manager**

**March 2023 – Present**

*A self-founded eco-friendly business; helping students sell their pre-loved clothes to other students*

*Toronto, ON*

- Photographing and marketing second-hand clothes, managing marketing on the @uofthrifts Instagram account, keeping track of financial accounting spreadsheet on Excel
- Organizing and conducting sales, communicating and meeting with clients and customers

## **AWARDS & CERTIFICATES**

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- University of Toronto International Scholar Award
- MusicBox UofT Chapter 2023-2024 Volunteer of the Year Certificate
- Brian McDougall Award for Leadership
- LivingWorks START Suicide-Prevention Certificate
- TCPS 2: CORE 2022 (Course of Research Ethics) Certificate
- Mental Health Skills Certificate (Innis College)
- National Honors Society

## **OTHER ACTIVITIES**

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- Songwriter and producer of original music
- University of Toronto Intramural Women's Basketball
- High School Varsity Girls' Basketball Team & basketball coach for the 6<sup>th</sup> Grade Girls' Basketball Team