

# Ethan Lam

✉ ethan.lam@mail.utoronto.ca | ☎ 647-285-0676 | 🌐 [ethanlam.ca](mailto:ethanlam.ca)  
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## SKILLS

**Programming:** Python, Java, C, Javascript,

**Programming-Adjacent:** Git, HTML, CSS, JSON, LaTeX, React

**Other:** Piano (RCM Certified), Video Editing, Audio Editing, Public Speaking/Presenting

## PROJECTS

**Operation Guesser** *Python, Pygame, Presenting* Jan 2021

- Was part of a 3 person team assembled to compete in [UTM's PyJaC competition](#)
- Contributed to the back-end algorithm of our mathematical guesser using **Python**, and contributed to the **Pygame** front end
- Introduced memoization to our algorithm, increasing efficiency by 700%
- Wrote up a [website](#) to showcase our code
- Wrote and presented a presentation to show off our project on contest day, leading to our project winning in the intermediate category

**Personal Website** *HTML, CSS, Javascript, React, Front End Design* Nov 2020

- Created a website using **React.js** to showcase my programming work
- Used **HTML**, **CSS**, and **Javascript** to create dynamic components that change and resize based on user input

**Trading System** *Java, JavaFX, Front End Design* June 2020 – Aug 2020

- Contributed to the front-end of a group project using **JavaFX**, and created the backbone of our backend using **Java**; the project recieved an A+
- Ensured communication between all 8 members of our group while utilizing Agile Methodologies

## EDUCATION

**University of Toronto**

*Computer Science (BSc)* GPA: 3.91/4.0 Sept 2019 - Apr 2023

- Dean's Honours List, Winter 2020
- Event Director for UTM's Developer Student Club
- Full academic history can be found [here](#)

## WORK EXPERIENCE

**Computer Science Tutor** November 2018 – June 2019

- Assisted high school students in learning **Python**, leading to an average 12% increase in marks after tutoring

**Music Theory Teacher** December 2016 – Aug 2019

- Communicated ideas to students with a high level of effectiveness - students all passed their RCM exams with 80+%
- Organized curriculum and followed it to ensure material was taught in a logical way