Ethan Lam

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 EthanLam1 | </> DevPost | in Ethan Lam

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*

- 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

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

Personal Website *HTML, CSS, Javascript, React, 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