

ETHAN LAM

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EDUCATION

Honors Bachelor of Science (HBSc)

University of Toronto, Computer Science Major

GPA: 3.88/4.00

Full academic history can be found [here](#)

September 2019 – April 2023

SKILLS

Languages: English (Native), Cantonese (Conversational)

Programming: Python (NumPy, Pandas, Selenium, PyGame), Java (JavaFX), C, Git, Unix, Bash

Web Development: JavaScript (React.js, Node.js), HTML, CSS

Document Creation: Microsoft Office Suite, LaTeX, Markdown

PROJECTS

Track-19 (Hack The Case 2021 Winner) | JavaScript, Node.js, Next.js, HTML, CSS

Feb 2021

A web app that serves Covid data and news relevant to your area, without tracking you

- Used **Next.js**, **HTML**, and **CSS** to create the front end of our website
- Created and edited a video to send to the judges that won Best Presentation, along with our project winning overall

Operation Guesser (PyJaC 2021 Winner) | Python, Pygame, React.js, HTML, CSS

Jan 2021

A math guessing game (**Python**, **Pygame**) that uses recursion and memoization to efficiently generate expressions

- Introduced memoization to our algorithm, increasing efficiency by 700%
- Wrote up a [website](#) using **HTML** and **CSS** to showcase our code
- Wrote and presented a presentation to show off our project on [UTM's PyJaC competition](#) contest day

Personal Website | React.js, HTML, CSS, Javascript

Nov 2020

A website to showcase my resume, portfolio, and projects

- Used **React.js**, **HTML**, **CSS**, and **Javascript** to create components that change and resize dynamically
- Deployed on **Netlify**

Trading System | Java, JavaFX

May 2020 – Aug 2020

A multi-user, real time, database-centered project (**Java**, **JavaFX**) allowing users to trade items

- Contributed to a multi-month project that recieved an A+
- Led communication between all 8 members of our group while utilizing Agile Methodologies

WORK EXPERIENCE

Teaching Assistant

May 2021 – Present

University of Toronto

- CSC148H5: Intro to Computer Science
- Responsibilities: assisting in lecture, managing discussion boards, marking homework

Computer Science Tutor

November 2018 – June 2019

Self-Employed

- Taught high schoolers **Python**, leading to an average 12% increase in marks after tutoring

HONORS AND AWARDS

Dean's List Scholar

Summer 2020

Awarded for maintaining a GPA of 3.50 or higher after first year at the University of Toronto

University of Toronto Scholar's Award

Spring 2019

Merit based award for being one of the most outstanding students to apply to the University of Toronto

University of Waterloo CSMC Contest Medal

Fall 2018

Awarded by the University of Waterloo for getting the highest mark in my cohort

COMMUNITY INVOLVEMENT

Math and Computer Science Society

Summer 2021 – Present

Marketed and planned engaging events for the student body

University of Toronto

Developer Student Club Community Event Director

Spring 2021 – Present

Ran and helped plan engaging online events on Discord for DSC

University of Toronto

AFGM Section Lead

September 2019 – April 2020

Provided assistance and guidance for a choral program for boys

Oakville, ON