Ethan Lee

Computer Science Major, 2nd Year

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SKILLS

Languages: Java, C++, HTML, CSS, JavaScript
Tools: Microsoft VS Code, IntelliJ IDE, Git

TECHNICAL PROJECTS

Fast Typing Game (JavaScript)   **September 2020 – October 2020**

- Developed a typing game using HTML, CSS, and base JavaScript that gives users a WPM estimate after completing the game
- Leveraged JavaScript's timeout and interval scheduling to create a fluid game play experience where elements would switch colors and eventually disappear after a set period of time

Unbeatable TicTacToe Game (C++)   **August 2020 – September 2020**

- Created a terminal based tic-tac-toe game using C++
- Implemented the minimax algorithm allowed the computer to make intelligent moves by comparing different moves and results so it could always choose the optimal one
- Used VSCode for code editing and the terminal and Git for version control

Rock Climbing Gym Application (Java)   **February 2020 – April 2020**

- Created a simple map application in Java that can allow users to see the routes in the gym sorted in various ways, and also lets you add new climbs as they are put up
- Could allow new climbers to more easily navigate the many climbs in the gym
- Learned Java's Swing to build the GUI , as well as learning and using Git for the first time for version control
- Done alone as an academic project for a 2nd year Software Engineering course

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WORK EXPERIENCE

TPMG Capital, General Labor   **2018 - 2020**

- Painted, pressure washed, and landscaped a variety of buildings across the lower mainland with a small team
- Part time job during the Summer from 2018 to September 2020

VOLUNTEER EXPERIENCE

Seaquam Parent-Teacher Interviews   **January 2019**

- Organized multiple classrooms for the event in a way that would be easier to organize teachers and parents in, which also allowed quicker event take down
- Coordinated interviews with parents and teachers and ensured interviews were moving in a timely manner resulting in minimal disruptions to the schedule

Delta Community Schools Program   **Nov 2018 - Dec 2018**

- Volunteered to tutor Elementary students after school in topics such as Math and English for the duration of the program
- Specifically helped with student's reading comprehension by creating questions for them to discuss, also taught students more advanced mathematical topics to help them be more prepared for the future

SPCA Paws for a Cause Walk   **Sept 8, 2018**

- Worked together with a large group of volunteers to set up stations for sponsors and then clean up after the event was finished, resulting in a event that ran smoothly and ended ahead of schedule
- Produced cotton candy and interacted with customers to encourage purchases, which ultimately raised more money for the SPCA

EDUCATION

University of British Columbia, Bachelor of Science   **Sept 2019 – Present**

- Dean's Honor List (88% average)

FreeCodeCamp, Responsive Web Design (300 Hours)   **May 2020 – July 2020**

- Learned CSS and HTML on my own time, building five unique web pages related to my own personal interests as part of the curriculum
- Used this knowledge to build my own personal portfolio website

HOBBIES/INTERESTS

- Rock Climbing (Bouldering)
- Mountain Biking