

Oliver M. Tattersall

Email: omtatter@uwaterloo.ca | Phone: 647-904-8095 | [Github](#) | [Website](#) | [LinkedIn](#)

TECHNICAL SKILLS

Languages: Python, Javascript, HTML, CSS, Racket, MySQL, C, Java, C++

Frameworks: NumPy, Bs4, React.js, openpyxl, Materialize, Bootstrap, leaflet.js, jquery.js, Django, React Native, node.js

Tools: Git, GitHub, Firebase, Linux

ACADEMICS

University of Waterloo | *Candidate for Bachelor of Computer Science* | *Minor in Physics* | Term 1B

Cumulative Average: 4.00 GPA (95%)

Awards: Dean's Honour's List, President's Scholarship of Distinction

Extracurriculars: Member of Computer Science Club, Pure Maths Club, Rockclimbing Club; Intramural Volleyball

WORK EXPERIENCE

Ski Instructor | Heights of Horseshoe | (Dec 2019 - Mar 2021):

- leading diverse groups of 12 and Unders in technique development and goal-setting

Ski Supervisor | Heights of Horseshoe | (Dec 2021 – Mar 2022):

- in charge of creating, scheduling classes/learning modules for other Ski Instructors, as well as managing and helping parents of skiers

Stock Manager | GetOutside | (Jun 2022 – Aug 2022):

- In charge of organizing stock, handling shipments, and helping with sales at a shoe store

Tutor | Self-Managed | (Sept 2018 – Mar 2022):

- Tutoring for Computer Programming, Mathematics, Chemistry and English with middle school and high school GTA students - **as a volunteer with Horizons program (2018-2022)**, and for pay (2020-2022)

PROJECTS

Historical Website: <https://olivertattersall.github.io/NorthTorontoHistory/>

- Created a website that details the history of North Toronto, a neighbourhood in Toronto, using JS, HTML, CSS, Firebase
- Manipulates image to allow for a side-by-side comparison, where a slider is overlayed to change how much of each photo is shown to compare historical photos to now
- Uses firebase database to allow for others to post their own stories and history about the neighbourhood to give it a personalization

Graph Traversal Visualization: <https://oliver-tattersall-github-io-mfos.vercel.app/>

- Website built using react to learn and practice graph traversal
- Visualizes Dijkstra's Algorithm between two nodes in a grid, travelling around walls and weights to find smallest distance

Sudoku Player: <https://olivertattersall.github.io/sudoku/>

- Created a website where people can play sudoku using HTML, JS, CSS and HTML Canvas
- Uses recursive backtracking to solve the sudokus if needed.
- Fetches from a sudoku generator API to get different difficulties of puzzles

SOFT SKILLS

- **Excel in Teams:** I enjoy and excel at working with other people, both as a member and a leader
- **Independent Learning:** I always strive to learn more on my own and am able to facilitate my own learning through research on the internet and asking others for help if needed