Oliver M. Tattersall

Email: omtatter@uwaterloo.ca **| Phone:** 647-904-8095 **|** Github **| Website | LinkedIn**

TECHNICAL SKILLS

Languages: Python, Javascript, HTML, CSS, Racket, C, Java, C++
Frameworks: Django, Django Rest Framework, React.js, React Query, React Native, NumPy, Bs4, openpyxl, Materialize, Bootstrap, leaflet.js, jQuery, node.js, Spring
Tools: Git, GitHub, Firebase, Linux, PostgresSQL, MySQL, DynamoDB, Insomnia

WORK EXPERIENCE

Engineering Intern | Nayms | (May 2023 – present)
- Developed production level frontend code with React.
- Pivoted to leading QA when their QA left, helped develop automated testing with Playwright
- Worked closely with other engineers to arrive at solutions and plan the product.
- Worked in an Agile environment, completing daily stand-ups and meeting my sprint goals.

CUPC Website developer | CUPC 2023 | (Mar 2023 – Present):
- Co-created the 2023 Canadian Undergraduate Physics Conference(CUPC) site

Ski Instructor / Supervisor | Heights of Horseshoe | (Dec 2019 - Mar 2022):
- Created and scheduled classes/learning modules for other Ski Instructors, as well as managed and helped parents of skiers (Dec 2021 – Mar 2022)
- Managed classes of students (Dec 2019 - Mar 2021)

Stock Manager| GetOutside | (Jun 2022 – Aug 2022):
- Organized and managed stock to optimize efficiency for sales people
- Handled incoming shipments and helped with sales and shipping

Tutor | Self-Managed | (Sept 2018 – Mar 2022):
- Tutoring for Computer Programming, Mathematics, Chemistry and English with high school GTA students - **as a volunteer with Horizons program (2018-2022)**, and for pay (2020-2022)

PROJECTS

Sudoku Player: https://github.com/OliverTattersall/Sudoku
- Created an interactive Sudoku game using React and Tailwind CSS
- Created a Sudoku API using Django to serve sudoku games to the frontend and other projects
- Implemented a solver using recursive backtracking

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 overlaid 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

ACADEMICS

University of Waterloo| *Candidate for Bachelor of Computer Science | Minor in Physics |* Term 2A
Cumulative Average: 4.00 GPA (94.08%)
Awards: Dean's Honour's List, President's Scholarship of Distinction
Extracurriculars: Member of Computer Science Club, Pure Maths Club, Rockclimbing Club; Intramural Volleyball