

Oliver M. Tattersall

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TECHNICAL SKILLS

Languages: Python, JavaScript, TypeScript, HTML, CSS, C, Java, C++

Frameworks: Django, Django Rest Framework, React.js, React Query, React Native, NumPy, Bs4, Materialize, Bootstrap, jQuery, node.js, Java Spring Boot

Tools: Git, GitHub, Linux, Docker, Firebase, PostgreSQL, DynamoDB, Postman, Node

WORK EXPERIENCE

Developer for Enterprise Architecture | RBC | (January 2024 – April 2024)

- Worked in the Digital Accessibility Enablement and Consulting team to aid the enterprise developer to make accessible code and follow accessibility compliance
- Created tools with node.js to replace costly third party tools
- Developed over 60 patterns for an accessible component Pattern Library and aided with planning, formatting, and creating the website to store these components
- Managed, led, and wrote articles for the Quarterly Newsletter
- Joined consulting sessions with other designers, product managers, developers and testers to aid them understand accessibility issues and best practices

Engineering Intern | Nayms | Fulltime: May 2023 – August 2023, Part-time: September 2023 – December 2023)

- Developed reusable components in React used in production
- Debugged React and Spring Boot code and aided other developers in finding solutions
- Pivoted to managing QA when their QA left, helped develop automated testing with Playwright
- Trained and guided new QA when entering the company
- Worked in an Agile environment, completing daily stand-ups and meeting and surpassing my sprint goals.

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 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

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

Education

University of Waterloo | *Candidate for Bachelor of Computer Science* | *Minor in Physics* | Term 2B | Graduate 2027

Cumulative Average: 4.00 GPA (93.42%)

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

Extracurriculars: Executive Member of the 2023 Canadian Undergraduate Physics Conference(CUPC) (In Charge of Website and Tech), Member of Computer Science Club, Pure Maths Club, Rockclimbing Club; Intramural Volleyball