

Oliver M. Tattersall

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TECHNICAL SKILLS

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

Frameworks: Django, 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

Full-Stack Developer in Wealth Management Technology Services | RBC | September 2024 – December 2024

- Worked with the Enhance Client Reporting team creating a product from inception to facilitate in generating pdf reports for wealth advisors
- Developed reusable frontend Angular components and participated in design sessions to fit the frontend to user needs
- Implemented ngrx store to reduce unnecessary API calls and improve user experience
- Developed end-to-end flows between 3 Springboot microservices and the frontend, saving and modifying data through external REST API's, Postgres Database, and Redis Cache

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

- Worked in the Digital Accessibility Enablement and Governance 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

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 3A | Graduate 2027

Cumulative Average: 4.00 GPA (93.08%)

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