

HASSAN HASHMI

✉ h4hashmi@uwaterloo.ca [in hassan-hashmi](https://www.linkedin.com/in/hassan-hashmi)

Technical Skills

Languages: TypeScript, JavaScript, C++, Python, C#, Kotlin, HTML, CSS, SQL

Technologies/Frameworks: React, Redux, Unity, Toolkit, RTK Query, React Hook Forms, Zod, Auth0, React Testing Library, Material UI, Tailwind, Git, GitHub, JIRA, Chrome DevTools

Experience

JANA Corporation

Aurora, ON

Junior Front-End Developer

May 2023 - Dec 2023

- Improved upon JANA's software product by integrating an export file API into the Front-End application using **RTK Query, React, and Typescript**
- Spearheaded the development of JANA's internal profit-sharing application to make it live within four months by effectively organizing the project with a team of interns
- Implemented user authentication on JANA's internal app resulting in a 100% increase to security using **Auth0**
- Resolved numerous bugs leading to improved overall functionality and user experience by following methodical and continuous improvement software principals
- Wrote and maintained unit tests using **React Testing Library** leading to leading to increased app reliability and efficiency
- Worked in a collaborative team environment to come up with complete and efficient solutions by regularly coordinating with UI/UX and Back-End developers

University of Waterloo

Waterloo, ON

CS 241 Instructional Support Assistant

Jan 2023 - Pres

- Demonstrated proficiency in C++ by providing support to students in their programming projects by providing hands-on tutoring and debugging support
- Showed interpersonal prowess by teaching students advanced concepts such as **Maximal Munch Parsing**, Finite Automata, and MIPS programming

Personal Projects

Flappy Bird

Oct 2023

- Implemented a functional Flappy Bird game with custom animations, sound effects and modifications using **Unity** and **C#**

PokéView Card App

June 2023

- Made a Pokémon Card application that paints **650** different Pokémon info cards using React alongside custom card flipping animations and a search feature
- Designed custom card layouts that populate using specific information from a RESTful API
- Implemented a custom dark mode with complimentary colours using **CSS** properties and **JavaScript**

Notetaking Application

Feb 2023

- Implemented a functional note taking application that is made for CS students by using **Java FX** and **Kotlin**
- Designed a custom Database manager that stores all user info locally by using **SQLite**
- Deployed a web service to store user info on the cloud using **Spring-Boot**

Connect 4

Nov 2022

- Created a custom Connect 4 game with a unique drag and drop user experience using **Java FX** and **Kotlin**

C++ compiler

Nov 2022

- Implemented a fully functional compiler that converts any C++ (WLP4) program into machine code by using parsing algorithms, Abstract Syntax Tree's, **C++** and **MIPS Assembly**

Education

UNIVERSITY OF WATERLOO

Waterloo, ON

Bachelors of Computer Science with Business Specialization

Sept 2019 - Pres