

HASSAN HASHMI

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Technical Skills

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

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

Experience

JANA Corporation

Aurora, ON

Full Stack Developer Intern

May 2023 - Dec 2023

- Built internal profit-sharing application to track and redeem employee shares using **ASP .NET Core** and **React**
- Created RESTful API to calculate and return employee shares using **ASP .NET Core**
- Integrated RESTful API using **RTK Query** and **TypeScript**
- Implemented user authentication resulting in a **100%** increase to security using **Auth0**
- Validated forms using **React Hook Forms** and **Zod**
- Wrote unit tests using **React Testing Library** leading to increased app reliability and efficiency
- Resolved numerous bugs leading to improved functionality and user experience by following **Agile** principles

UW Badminton Club

Waterloo, ON

Web Developer

Sept 2023 - Present

- Created badminton courts app to display and manage players on gym courts using **React** and **TypeScript**
- Managed app state and complex drag/drop actions using **Redux Toolkit** and **React DnD**
- Integrated app with Django backend to pull current member information using **RTK Query**

University of Waterloo

Waterloo, ON

CS 241 Instructional Support Assistant

Jan 2023 - Present

- 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 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++ 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, Business Specialization

Sept 2019 - Apr 2025

- **Interests:** Video Games, Weightlifting, Badminton, Cooking, Fermenting Peppers