

Ivan Ebos

Honours Computer Science Co-op Student

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RELEVANT EXPERIENCE

Full-Stack Developer

May 2023 - Dec. 2023 // Hamilton, ON

Old Republic Canada

- ▷ Demonstrated proficiency as a full stack developer, utilizing a comprehensive technology stack including **JavaScript**, **C# .NET**, **jQuery**, and **SQL Server Management**.
- ▷ Collaborated in cross-functional teams to analyze requirements, design scalable solutions, and employ agile **methodologies** using **Jira** achieving effective communication and successful project execution.
- ▷ Identified inefficiencies in a manual process and utilized **Python** to architect an advanced automated solution. This initiative significantly improved operational efficiency, saving valuable time. The solution was later expanded for implementation across multiple departments within the company, showcasing its adaptability and impact.
- ▷ Utilized **GitKraken** for version control, enabling code collaboration, branch management, and code review processes.
- ▷ Participated in team meetings, providing technical insights and contributing to continuous process improvements.

Selected PROJECTS

Log Fit

Aug. 2023 - Present

- ▷ Created a **Full-Stack** application using the **MERN** (MongoDB, Express.js, React, Node.js) stack, offering users a platform to manage workout routines and track fitness progress.
- ▷ Integrated **web tokens** for user authentication, enhancing the app's security and allowing users to securely sign up, log in, and access their personalized workout data.
- ▷ Constructed a **RESTful API** using **Express.js** and **Node.js** to manage user data.
- ▷ Utilized **Postman** to test API endpoints, ensuring data integrity, proper request handling, and appropriate responses.

Personal Portfolio Website

Feb. 2023 - Present

- ▷ Utilized **React**, to build interactive and reusable UI components, enhancing the functionality and user experience.
- ▷ Implemented **Tailwind** CSS framework, to efficiently style the website, ensuring a visually appealing interface.
- ▷ Leveraged **Netlify**, to seamlessly host and deploy the web application, ensuring high availability and scalability.

Recursive Descent Parser // Principles of Programming

Oct. 2022

- ▷ Developed a **recursive descent parser** for arithmetic expressions by designing and a **Backus-Naur Form (BNF)** grammar, providing a clear and comprehensive grammar for the parsing process.
- ▷ Implemented the algorithm in **Python**, breaking down the grammar rules into recursive functions that efficiently analyze the input code.

Concurrent Addition Program // Concurrent Systems

Nov. 2021

- ▷ Designed and coded a dynamic **multi-threading** program to efficiently calculate the summation of arrays of integers, optimizing computation speed and resource utilization.
- ▷ Successfully translated the algorithmic design into functional **C** and **Go** code.

EDUCATION

B.A.Sc Computer Science (CO-OP) Math Minor, Business Minor

2020 - 2025 // Hamilton, ON

McMaster University

- ▷ Received McMaster's entrance scholarship for achieving a 94.9% average in high school
- ▷ On track to complete a minor in **Math** and **Business**

SKILLS

Proficient Languages:

C, Java, Python, C#, SQL, Golang, Haskell, Assembly (RISC-V), Web Assembly, R

Web Development

React, C# .NET, jQuery, HTML5, CSS, Javascript, Node.js, Next.js, Tailwind, Express.js, MongoDB, MS SQL Server

Software Courses

Algorithms & Databases, Software Design, Software Development, Software Requirement

Tools & Platforms

MS Suit, Linux, Git, Git Kraken, Jira, PostgreSQL, VMware, VirtualBox, Matlab, Octave