

# Ivan Ebos

## Honours Computer Science Co-op Student

 (289) 527-2710  ebosi@mcmaster.ca  linkedin.com/in/ivanebos  github.com/ivanebos  ivanebos.netlify.app

### HIGHLIGHTS OF QUALIFICATIONS

- Experienced in full stack development, utilizing a technology stack including **C# .NET, JavaScript, 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
- **Proficient languages:** Python, C, Java, Haskell, Assembly (RISC-V), R
- **Development tools:** Linux, Git, PostgreSQL, VMware, VirtualBox, Matlab, Octave, MS Suit
- Possess a self-directed work ethic, making me highly adaptable to various tasks and environments; My approachable demeanor eases collaboration and relationship-building.

### EDUCATION

#### B.A.Sc Computer Science (CO-OP)

September 7, 2020 - May 1, 2025

McMaster University Hamilton, ON

- Awarded McMaster's Entrance Scholarship for exceptional high school academic performance with a GPA of **94.9%**
- Actively participating in a well-rounded education by pursuing minors in both **Business Administration** and **Mathematics**, enhancing interdisciplinary skills and perspectives
- **Relevant Coursework:** Microeconomics, Marketing, Accounting, Organizational Behaviour, and Financial Math

### PROFESSIONAL EXPERIENCE

#### Full Stack Developer

May 1, 2023 - December 31, 2023

Old Republic Canada Hamilton, ON

- Demonstrated proficiency as a full stack developer, utilizing a comprehensive technology stack including JavaScript, C# .NET, jQuery, and SQL Server Management
- 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

### RELEVANT PROJECTS

#### Log Fit

August 1, 2023 - Present

- Developed 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.
- Created a **RESTful API** using Express.js and Node.js to enable efficient data management and enhance functionality
- Utilized **Postman** to test API endpoints, ensuring data integrity, proper request handling, and appropriate responses

#### Personal Portfolio Website

March 20, 2023 - Present

- Created a web application by utilizing **React** and **Next.js** 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

#### Recursive Descent Parser

October 14, 2022 - December 2, 2022

- Developed a recursive descent parser for arithmetic expressions by designing a **BNF** (Backus-Naur Form) grammar, providing a clear and comprehensive grammar for the parsing process
- Implemented the algorithm in **Python** using recursive functions for the grammar, efficiently analyzing the input

#### Concurrent Addition

November 21, 2021 - December 6, 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