

Gabriel Mebratu

Toronto, ON M1R 4V9 (Open to Remote) | (647) 571-4706 | gabrielmebratu123@hotmail.com
[linkedin.com/in/gabrielmebratu](https://www.linkedin.com/in/gabrielmebratu) | github.com/gabrielmeb |

EDUCATION

Seneca College - Advanced Diploma, Computer Programming and Analysis

TECHNICAL SKILLS

Front End | React, NextJS, Javascript, NodeJS, CSS, styled-components

Back End | Python, C, C++, SQL, MongoDB

Developer Tools | Docker, Git, npm, Agile Methodology,

PROJECTS

Lego Collection Management System | Front/Backend Application

- Spearheaded the development of a cutting-edge Lego Collection Management System using a tech stack comprising HTML, CSS, Tailwind CSS, JavaScript, and MongoDB
- Engineered a sophisticated user interface, enabling seamless interaction for users to effortlessly view, search, and manage their Lego sets
- Implemented robust features for adding and deleting Lego sets, enhancing user control and experience
- Architected the backend using MongoDB, optimizing data storage and retrieval for unparalleled efficiency

Calculator App | Frontend Application

- Implemented complex mathematical logic using JavaScript, contributing to the app's precision and reliability
- Crafted an aesthetically pleasing and highly functional user interface, ensuring an intuitive and seamless user experience
- Implemented complex mathematical logic using JavaScript, contributing to the app's precision and reliability - Employed Tailwind CSS for streamlined and responsive styling, adhering to modern design principles

Database Design Project | SQL

- Developed a comprehensive UML Entity Relationship Diagram (ERD) and applied normalization techniques to ensure 3rd normal form compliance
- Created a detailed Data Dictionary for each table, encompassing data types, sizes, default values, constraints, and example data, enhancing the overall clarity and understanding of the database structure
- Utilized SQL to script the database creation process, encompassing all tables, constraints, and features outlined in the ERD and Data Dictionary

Etch-A-Sketch | Frontend Application

- Conceptualized and developed an engaging Etch-a-Sketch web application using HTML, CSS, and Tailwind CSS, delivering a nostalgic yet modern user experience
- Engineered a user-friendly interface with Tailwind CSS for a modern aesthetic and responsiveness, while leveraging JavaScript to enable intricate sketching and erasing functionalities in real-time
- Optimized the app for a smooth and enjoyable user experience, demonstrating a combination of creativity, design finesse, and technical proficiency in front-end technologies

