

# LOUIS DOAN

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## EDUCATION

### McMaster University

Bachelor of Applied Science in Computer Science, Minor in Sociology; 3.54/4.0 GPA

Hamilton, ON

Sept. 2021 – April 2025

## EXPERIENCE

### Program Coordinator

February 2020 – April 2020

Stemotics

Cambridge, ON

- Assisted with teaching children ages 6-14 the basics of programming
- Adapted to a high-paced environment and quickly learned new technologies being used
- Created lesson plans for students to follow that is still being used as of 2023

## PROJECTS

### Premier Ease | React, SASS, Express, MongoDB

May 2023 – Jul 2023

- Developed a full-stack web application that displays latest information on the English Premier League
- Created frontend with React that clearly displays up-to-date data retrieved from the database
- Created backend with Express that fetches and stores data from external APIs in a MongoDB database

### OffCampus McMaster Clone | React, SASS, Express, MongoDB

Jun 2022 – Jul 2023

- Developed a full-stack web application that allows users to create and search ad postings for properties
- Created frontend with React that allows users to post new ads and search pre-existing ones
- Created backend with Express that stores and retrieves property data in a MongoDB database
- Used the Leaflet library to create maps displaying the location of the property

### BlabberBox | React, SASS, Express, MongoDB

May 2023 – Jul 2023

- Developed a full-stack web application that allows users to create and join chat rooms
- Created frontend with React that allows users to join and send messages to chat rooms
- Created backend with Express that stores and retrieves user, chat room, and message information

### Treeter | React, SASS, Express, MongoDB

Jul 2022 – Jul 2023

- Developed a full-stack web application similar to Twitter
- Created frontend with React that allows users to view, create and comment on posts
- Implemented features such as liking posts, counting number of views a post got, and comment chaining
- Created backend with Express that stores and retrieves data on users, posts, and comments

### 2DO | HTML/CSS, JavaScript

May 2022 – Aug 2022

- Developed a web application that allows users create projects and tasks under each project
- Created JavaScript functions that create elements for or manipulate the DOM
- Stored projects in localStorage and fetch on page load

### Etch-A-Sketch | HTML/CSS, JavaScript

Feb 2022 – Mar 2022

- Created an "Etch-a-Sketch"-like canvas, where squares are coloured in when hovered over
- Implemented functions that create the canvas based on number of squares set by the user
- Implemented functions that colour in the squares based on selected colour

### BattleShip | HTML/CSS, JavaScript, Jest

May 2022 – Aug 2022

- Developed a web application that allows user to play a game of "Battleship" against CPU
- Created classes for overall game and board that handles game logic like placing ships and firing at enemy board
- Tested board creation and game logic using Jest

## TECHNICAL SKILLS

**Languages:** HTML/CSS, JavaScript, SQL, MongoDB/Mongoose, Java, Python

**Frameworks:** TypeScript, SASS, React, Express

**Developer Tools:** Git, GitHub, Jest, Cloudinary, Leaflet