

# BRANDON MAI

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## TECHNICAL SKILLS

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**Languages:** Java, HTML/CSS, Python, C, Bash, JavaScript

**Frameworks:** React, Node.js, Bootstrap

**Developer Tools:** Git, VS Code, Visual Studio, PyCharm, IntelliJ, Eclipse

**Libraries:** Collections, NumPy, Matplotlib, Mui UI

## PROJECTS

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**Portfolio Website** | [brandonmai.netlify.app](https://brandonmai.netlify.app)

Dec. 2023

- Styled portfolio to showcase projects, skills, and aspirations.
- Utilized media queries to ensure high quality responsiveness on all screen types.
- Utilized JavaScript to create a seamless scrolling experience along with animations on buttons and a hamburger menu.

**Mai Fitness** | [mai-fitness.netlify.app](https://mai-fitness.netlify.app)

Jan. 2024

- Created a Fitness Exercise gallery utilizing React, JavaScript and Material UI.
- Used hooks for website logic including getting API calls from RapidAPI and filtering it based on search function.
- Implemented full search functionality using YouTube search API to show "Similar Exercises", recommending videos in real time.
- Created various animations using React hooks such as infinity loading bar and buttons.

**Mai Weather** | [mai-fitness.netlify.app](https://mai-fitness.netlify.app)

Feb. 2024

- Created a Weather App using React and OpenWeatherAPI to output up-to-date weather information.
- Utilized React Hooks and basic JavaScript to call the API to display information such as location, temperature, and a description.

**Songify** | <https://github.com/barndonmai/songify> | *Object-Oriented Programming*

Apr. 2023

- Created a text-based music app in Java for managing songs, audiobooks, and podcasts within a library.
- Implemented core features such as content download, playlist creation, and playback.
- Implemented search functionalities by title, artist, and genre.
- Enhanced download options to support large quantity downloads and retrieval by artist or genre.

## EDUCATION

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**Toronto Metropolitan University** (Formerly Ryerson University)

Toronto, ON

*B.Sc in Computer Science*

*Graduation Date: April 2026*

- Awards: Entrance Scholarship (95%+)
- Relevant Courses: Data Structures, Operating Systems, Object Oriented Programming, Web Systems Development, Computer Architecture, Introduction to Software Engineering, Discrete Structures.

## LEADERSHIP EXPERIENCE

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**President**

Sep. 2023 – Present

*TMU Chinese Student Association*

*Toronto, ON*

- Lead a group of 50+ students in 5 different departments to execute creative vision for the club.
- Created and organized events generating over \$15000 in profit.
- Boosted engagement through content interactions by over 300% through managing social media account.
- Created viral videos with over 30,000+ views on multiple platforms to establish an online presence as a club.

**President**

Sep. 2023 – Present

*TMU Recreational Badminton Club*

*Toronto, ON*

- Lead multiple departments within the team to run and promote the club, attracting players from Team Canada to collaborate with.
- Managed over 300+ members within the club to provide seamless communication and updates on events and sessions.