

# BRANDON MAI

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## TECHNICAL SKILLS

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**Languages:** Java, HTML/CSS, Python, C, Bash, JavaScript, SQL  
**Frameworks:** React, Next.js, Node.js, Bootstrap  
**Developer Tools:** Git, VS Code, Visual Studio, PyCharm, IntelliJ, Eclipse  
**Libraries:** Collections, NumPy, Matplotlib, Mui UI

## PROJECTS

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- Mai Fitness** | [mai-fitness.netlify.app](https://mai-fitness.netlify.app) Jan. 2024
- Created a Fitness Exercise gallery to showcase exercises 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 search functionality embedded with YouTube API to recommend "Similar Exercises" in real time.
  - Created complex animations using React hooks such as an infinite loading bar and dropdown buttons.
- 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 to filter songs by title, artist, and genre.
  - Enhanced download options to support large quantity downloads and retrieval by artist or genre.
- 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 with button animations and a hamburger menu.

## EDUCATION

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- Toronto Metropolitan University** (Formerly Ryerson University) Graduation Date: April 2026  
*B.Sc in Computer Science* Toronto, ON
- Awards: Entrance Scholarship (95%+)
  - Relevant Courses: Data Structures, Operating Systems, Object Oriented Programming, Web Systems Development, Computer Architecture, Introduction to Software Engineering, Discrete Structures, and Database Systems.

## LEADERSHIP EXPERIENCE

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- President** Sep. 2023 – Present  
*TMU Chinese Student Association* Toronto, ON
- Led 50+ students across five departments to ideate and execute events to engage the student community.
  - Hired a team of six executives and delegated project deliverables over a one-year period, achieving 50K+ digital impressions and generating \$100K in gross revenue through events.
  - Crafted a promotional plan to optimize a seamless scrolling user experience on digital media, ultimately boosting user engagement by 300% and achieving 30K+ views across social media platforms.
- President** Sep. 2023 – Present  
*TMU Recreational Badminton Club* Toronto, ON
- Wrote three Bash program scripts to filter and scrape email data from club database to organize 200+ contacts.
  - Facilitated cross-functional communication and operations across six departments, collaborating with high profile athletes to promote the sport of Badminton within Canada.
  - Managed 300+ members within the club to provide seamless communication and updates on community events.