BRANDON MAI

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TECHNICAL SKILLS

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

Badminton Club Database Website | *barndonmai.github.io/badmintonclub/*　　　　　April. 2024
- Created a mock database management system for players, coaches, treasurers, and admin to manage bookings.
- Worked with four other group members in a scrum-based approach throughout three iterations of the project, delegating tasks, and attending consistent meetings with scrum master to complete project within timeline.
- Utilized product backlogs, sprint velocity charts, test plans, and test reports for project efficiency.
- Implemented different account types such as coaches, members, treasurers, and staff. Functionalities include: login and sign-out, sorting accounts, managing member information, accessing coach schedules, and finance.

Mai Fitness | *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*　　　　　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

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

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.