

# Mia Nguyen

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## Education

### Memorial University of Newfoundland

B.S. IN COMPUTER SCIENCE

- GPA: 3.8/4.0

St. John's, NL

Sep. 2019 – Present

## Skills

- Programming** Python, Java, C/C++, C#, JavaScript, Dart
- Web** HTML5, CSS, TypeScript, Node.js, Framer Motion
- Frameworks** Flutter, Next.js, Bootstrap, Tailwind CSS
- Databases** MongoDB, Firebase, MySQL
- Developer Tools** Git, Plastic SCM, VSCode, Visual Studio, Android Studio

## Experience

### Frankensolar Americas Inc.

CONTRACT WORDPRESS DEVELOPER

Brampton, ON

July 2023 – August 2023

- Collaborated with development team to redesign and implement new functions for the company's website, enhancing user experience and supports business goals by effectively showcases their products and services.
- Utilized web scraping to extract relevant product information and images from the company's external website.
- Developed a custom WordPress plugin to enable advanced filtering of posts based on custom taxonomies.

### Zorbit's Math Adventure

GAME DEVELOPER WORK TERM STUDENT

St. John's, NL

May 2022 – April 2023

- Participated as a team member to design and implement Mathstoria, a digital math learning game for grade 4-6 students.
- Implemented a variety of rich and interactive math models with unique mechanics to create engaging learning experiences within the game platform.
- Contributed to the development of comprehensive math learning tools that both students and teachers can benefit from.
- Collaborated with cross-functional teams to ensure the effective integration of the models with other aspects of the game.
- Worked closely with artists and designers to implement the game's design and architecture seamlessly and effectively.

## Projects

### Personal Portfolio

NEXT.JS, TYPESCRIPT, TAILWIND CSS, FRAMER MOTION

Personal project

January 2024

- A responsive and user-friendly portfolio website that provides a fast and seamless user experience.
- Present personal information, a showcase of projects, a summary of skills and experience, and a contact form for easy communication.
- Focus on animations & transitions using CSS, Tailwind, and Framer Motion.

### CalorX - Calorie Tracker App

FLUTTER, FIREBASE, FOODDATA CENTRAL API.

Group project

November 2023

- Enable users to search for food using the USDA database with preferred input amount.
- Keep daily food logs organized in separate meal sections for easy reference and analysis.
- Display visual charts for daily/weekly calorie intake and macronutrient ratio, allowing users to track their progress over time.
- Let users add and edit avatar photo from their camera or gallery. Display personal health data that can be updated as needed.

### Genrify - Spotify Playlist Generator

HTML/CSS/JS, MONGODB, NODE.JS, BOOTSTRAP, SPOTIFY API.

Group project

May 2022

- Spotify playlist generator web application that creates customized playlists based on user-selected genres and sub-genres.
- Leverage Spotify API to retrieve song data and utilize the Million Playlist Dataset / Spotify Song Dataset using MongoDB to build personalized playlists.
- Implement playlist generation and Spotify integration, enabling users to add customized playlists based on their musical preferences to their libraries.
- Integrated Chart.JS for data visualization and Bootstrap for responsive UI design.