

# Mia Nguyen

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## Experience

### Frankensolar Americas Inc.

Brampton, ON

FREELANCE WORDPRESS DEVELOPER

July 2023 – August 2023

- Collaborated with the development team to redesign and implement new features for the company's website, enhancing user experience and supporting business goals by effectively showcasing their products and services.
- Utilized web scraping to extract and display 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

St. John's, NL

GAME DEVELOPER

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.
- Worked closely with artists and designers to implement the game's design and architecture seamlessly and effectively.
- Collaborated with cross-functional teams to ensure the effective integration of the models with other aspects of the game.

## Skills

<b>Programming</b>	Python, Java, C++, C#, JavaScript, TypeScript, HTML/CSS, Dart
<b>Web &amp; Frameworks</b>	Node.js, Flutter, Next.js, Remix, Bootstrap, Tailwind CSS
<b>Databases</b>	MongoDB, Firebase, MySQL, PostgreSQL
<b>Game Engines</b>	Unity, Godot
<b>Developer Tools</b>	Git, Plastic SCM, VSCode, Visual Studio, Android Studio

## Projects

### Personal Portfolio

Website

NEXT.JS, TYPESCRIPT, TAILWIND CSS, FRAMER MOTION

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

Mobile app

FLUTTER, FIREBASE, FOODDATA CENTRAL API.

November 2023

- A lightweight and user-friendly REST API calorie tracker app. 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

Web app

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

May 2022

- Spotify playlist generator web application that uses REST API to create 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.

## Education

### Memorial University of Newfoundland

St. John's, NL

BACHELOR OF SCIENCE IN COMPUTER SCIENCE

September 2019 – May 2024

- GPA: 3.8/4.0