

Mia Nguyen

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Education

Memorial University of Newfoundland

BACHELOR OF SCIENCE IN COMPUTER SCIENCE

- GPA: 3.8/4.0

St. John's, NL

Sep. 2019 – Present

Skills

Programming Python, Java, C/C++, C#, JavaScript, HTML/CSS, Dart

Web & Frameworks TypeScript, Node.js, Framer Motion, Flutter, Next.js, Bootstrap, Tailwind CSS

Databases MongoDB, Firebase, MySQL

Game Engines Unity, Godot

Developer Tools Git, Plastic SCM, VSCode, Visual Studio, Android Studio

Experience

Frankensolar Americas Inc.

CONTRACT WORDPRESS DEVELOPER

- Collaborated with development team to redesign and implement new features for the company's website, enhancing user experience and supports business goals by effectively showcases 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.

Brampton, ON

July 2023 – August 2023

Zorbit's Math Adventure

GAME DEVELOPER WORK TERM STUDENT

- 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.

St. John's, NL

May 2022 – April 2023

Projects

Personal Portfolio

NEXT.JS, TYPESCRIPT, TAILWIND CSS, FRAMER MOTION

- 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.

Website

January 2024

CalorX - Calorie Tracker App

FLUTTER, FIREBASE, FOODDATA CENTRAL API.

- 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.

Mobile app

November 2023

Genrify - Spotify Playlist Generator

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

- 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.

Web app

May 2022