

# Armen Merzaian

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## EDUCATION

Seneca College | Software Development, H.B.Tech  
cGPA: 3.5

Graduating Aug 2024

- **Relevant Coursework:** Design Patterns in UML, Web Applications & Security, Native Mobile Development, Multimedia User Interfaces, Information Security, Database Design, System Analysis, Agile Methodologies, Data Structures and Algorithms, Software Engineering Principles.
- **Academic Recognition:** President's Honour List.

## SOFTWARE PROJECTS

### 👤 Seneca Social

Flutter, Dart, Firebase, Firestore

🌐 [/projects/seneca-social](https://github.com/armenmerzaian/seneca-social)

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Apr 2022 - Present

- **Leading** the development of a full-stack Android social app with **Flutter** and **Dart** designed to scale to **30,000+** users.
- Implementing **real-time database** operations, **cloud-messaging** and **media storage** with **Firebase** that enables students from different campuses who have similar education and career paths to connect, share, and communicate.
- **Managing** the team's progress, coordinated the **git workflow** and collaborating with designers to increase productivity **200%** week over week.
- Conducting **research** and gathered feedback on **100+** participants to improve **UX**.
- Engineering the system using **GOF design principles** in **UML** with Lucidchart.

### 📱 Android Calculator

Android SDK, Java, Material UI

🌐 [/projects/android-calculator](https://github.com/armenmerzaian/android-calculator)

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Jan 2023

- Developed a native calculator application using Android API 33 using **Java**.
- Wrote a custom **arithmetic algorithm** that preserves order of operations for accurate results.
- Designed with Google's Material UI system and inspired by Apple's UI guideline.

### ☁ Weather App

React, RESTful API, Bootstrap CSS

🌐 [/projects/weather-app](https://github.com/armenmerzaian/weather-app)

🐙 [/weather-app](https://github.com/armenmerzaian/weather-app)

Feb 2022

- Developed a web application with **React** in **JavaScript** that performs **RESTful** queries to the **OpenWeatherMap API** and displays to a responsive interface built with **Bootstrap CSS**.
- Implemented **geolocation** and a **search** function that returns results organized with **pagination**.

## WORK EXPERIENCE

### Web Developer

First Picture Frame Warehouse

🌐 [/first-picture-whse](https://github.com/armenmerzaian/first-picture-whse)

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Sept 2022 - Dec 2022

Toronto, ON

- Collaborated with a designer to build a **static website** using **React**, **Gatsby**, **TailwindCSS**, and custom **HTML** modules.
- Implemented a beautiful responsive UI to support modern **mobile-first** design paradigms.
- Leveraged **Gatsby SSG** to deliver a performance score of **94** on Google's PageSpeed Insights.

## TECHNICAL SKILLS

Programming Languages

Javascript/TypeScript, HTML/CSS, Dart, Java, C++, GraphQL, SQL

Major Frameworks

React, Angular, NodeJS, TailwindCSS, Flutter, Xamarin

Tools

Git, Jira, Unix, Clang, Firebase, Vercel, Heroku, MongoDB, SQLite