

## Work Experience

**Fill It Forward**      Guelph, Ontario      *Junior Developer*      *May 2023 / Present*

- Designed and developed the front end of various web apps using Tailwind CSS, React, and Apollo Client.
- Created and managed the backend of the web apps using GraphQL, AWS DynamoDB, and Serverless
- Optimized the performance and efficiency of data queries and scripts using JavaScript, TypeScript, and Python
- Analyzed and visualized data using Python libraries such as pandas, numpy, and matplotlib, and generated and exported data in CSV format for the marketing team

**Other Ocean Interactive**      Charlottetown, PEI      *Programmer*      *May 2022 / Sep 2022*

- Developed a marketing tool using the Unity engine, enabling the marketing team to customize game characters in real-time for promotional images
- Innovated and implemented a new game mechanic in the survival system to enhance the gameplay experience
- Contributed to the development of Project Winter's website by implementing innovative and creative design elements using React and Javascript, both on the frontend and backend

## Education

University of Guelph  
BS Computer Science, GPA: 83

Guelph, Ontario  
Sep 2022 / Present

University of Prince Edward Island  
*BS Computer Science, GPA: 3.8*

Charlottetown, Prince Edward Island  
*Sep 2020 / April, 2022*

## Skills

## Programming Languages Java, C#, Javascript, HTML/CSS, C, Go, Python

**Libraries** React, Apollo Client/Server, AWS, DynamoDB, Serverless, Docker, Unity Game Engine, Gamemaker Studio 2, Godot, Tailwind CSS, Git

## Projects

**Ultimate Reality** Gamemaker Studio 2 <https://gamejolt.com/games/ultimatereality/406940>

As a game developer, various game mechanics, gameplay, physics engine, and characters have been designed and developed for an entertaining and engaging gaming experience. User feedback has been incorporated to enhance user experience by implementing additional features. Multiple online gaming conventions have been participated in to network with other game developers and publishers, promoting the games and generating interest. Furthermore, a business relationship with VoxPop Games, a platform that supports indie game developers, has been developed using social media platforms and emails of interest.