

Education

University of Guelph
BS Computer Science, GPA: 84.151

Guelph, Ontario
Sep 2022 / April 2025

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

Charlottetown, Prince Edward Island
Sep 2020 / April, 2022

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 backend infrastructure using GraphQL, AWS DynamoDB, and Serverless Frameworks
- Optimized the performance and efficiency of API endpoints by using caching and paginating algorithms in Python and Typescript
- Contributed to the hiring process for an additional senior developer
- Instrumental in distributing a codebase and establishing an in-house development team
- Implemented DevOps practices to establish CI/CD pipelines that enabled seamless code deployment and testing, minimizing bugs reaching production.

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

Skills

Programming Languages Java, C#, NodeJS, HTML/CSS, C, Go, Python, Deluge, Rust, Typescript, GraphQL

Libraries React, Apollo Client/Server, AWS, DynamoDB, Serverless, Docker, Unity Game Engine, Gammemaker Studio 2, Godot, Tailwind CSS, Git, Zoho API, Linux (RedHat)

Projects

Ultimate Reality Gammemaker Studio 2 <https://gamejolt.com/games/ultimatereality/406940>
Ultimate Reality* is a 2D pixel art platformer that I developed using GameMaker Studio. I was responsible for designing and implementing the gameplay mechanics, physics, and story. The game's success has garnered significant attention and was featured on major gaming websites such as GameJolt.

