Michael Carey

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EDUCATION

University of Alberta | Edmonton, AB   Expected Graduation Dec 2024
B.S. Major in Computer Science and Minor in Business

SKILLS

Languages/ Libraries: Python, HTML, CSS, JavaScript, C#, Java, Node.js, SQL, NoSQL, React, RISC-V Assembly
Technology: Git, Linux, Unity, Firebase, MongoDB, Android Studio, Figma

PROJECTS

Sorting + Path-Finding Algorithm Visualizer   **View Code on GitHub View Live Site View Demo**
- Interactive website that visualizes sorting algorithms such as **Quick Sort**, **Merge Sort**, **Selection Sort**, and **Bubble Sort.**
- Generates mazes for visually understanding how **DFS** and **BFS** path-finding algorithms find paths toward a goal.
- This website uses **P5.js** as a graphics library.

Clothing Store   **View Code on GitHub View Live Site View Demo**
- A website that acts as a clothing storefront and an inventory to create, read, update, and delete clothing articles (adding and editing products has been disabled due to security reasons).
- Full Stack web application that uses **React** as the front-end and **Google Firebase** as a back-end.
- Uses **Google Firestore** as a **NoSQL** database for storing clothing articles and doing CRUD operations.

Event Check-In App   **View Code on GitHub View Demo**
- Helped lead a team of five in planning, designing, building, and implementing an app that allows users to sign up for and create events by scanning QR codes.
- This project used **Figma** to help plan and design the UI/UX for the app, **Android Studio** for coding, and **GitHub** to help with effective collaboration.

Bouncer   **View Code on GitHub View Demo**
- A game inspired by the "World's Hardest Game" built using the **Unity game engine**.
- Uses the **C#** language and **OOP** principles to model game objects and model physics.

WORK EXPERIENCE

Loblaws - Real Canadian Superstore - Replenishment Clerk PT   Oct 2018 - Present
- Replenish and allocate inventory.
- Analyze and update the inventory database.
- Received outstanding customer service award.
- Trained new team members and took on manager roles when in need.